Nauruan Numeral System
(Revised)

© MARK WILLIAMS
(mark.williams1954@gmail.com)
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1. Introduction

This is a text-based study of an aspect of Nauruan grammar that relies on publications in Nauruan dating mainly to the first half of the 20th Century, including Kayser's 1936 *Nauru Grammar*, with extensive examples from the 1918 Bible, the 1976 New Testament and other written sources. This type of linguistic study based on written sources is not unique (see 'A Grammatical Sketch of North Tanna' by Kristin Sverredal and 'Preverb Usage in Shawneee Narratives' by David J. Costa)

Any developments in contemporary Nauruan are only briefly touched on as it is not within the scope of the present study.

It is to be noted that the Nauruan reflected in the 1918 Bible and the 1976 New Testament and the language material presented in the 1936 *Nauru Grammar* are taken as valid representations of different registers of spoken Nauruan during the first half of the 20th Century.

The 1918 Bible was a culmination of 19 years of translation work by the American Protestant missionary Philip Adam Delaporte whose mother-tongue was German, having been born in Worms, Germany. Delaporte arrived on Nauru in 1899 and set about learning Nauruan and was helped in his translation endeavours by a number of Nauruans, notably Timothy Detudamo (later Head Chief of Nauru), Jacob Aroi (later Pastor and educator), and Deireragea (later Chief of Anibare District).[1] Apart from short periods of furlough, Delaporte was resident on Nauru from 1899 until he was excluded from returning to Nauru in 1915 while on furlough in the U.S.A. as he was viewed as a German sympathizer. He was in the U.S.A., along with Timothy Detudamo, to complete the translation work and to arrange for the printing of the Bible in the U.S.A.

The 1976 New Testament is attributed to the Roman Catholic missionary Alois Kayser, who served as a missionary to the Nauruan people between 1902 and his death due to mistreatment by Japanese military authorities in 1944. He was absent for a brief period during WWI when he was required to leave Nauru by the Australian occupying forces as he held a German passport – Nauru having been a German colony between 1888 and 1914. As an Alsatian, his mother-tongue was German (Alsatian), and his citizenship status was German until 1918, then, when Alsace-Lorraine reverted to French control, he became a French citizen. He was recognized as an expert on the Nauruan language and all things Nauruan. His is the 1936 *Nauru Grammar* (apparently handed to the Nauru Administration

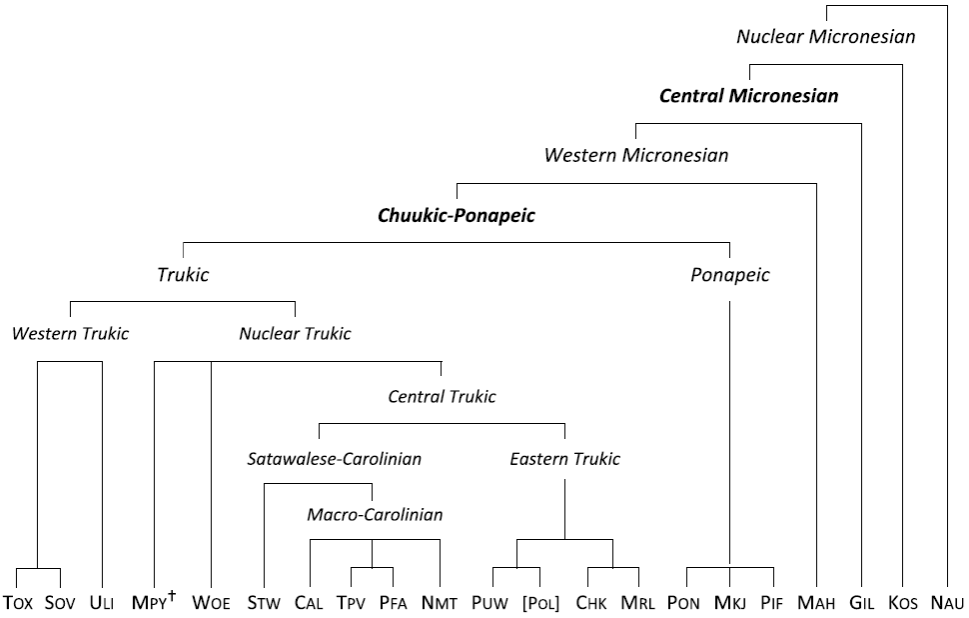
in 1937).[2] On the basis of Aloys Kayser having died in 1944, I am of the mind that the 1976 New Testament was actually ready for publication prior to the occupation of Nauru by the Japanese in 1942.

There is uncertainty about the dialect situation on Nauru prior to German annexation. What is known is that in pre-colonial days there were two alliances, splitting the island into a northern alliance centered on Ewa (which included at the time what are now Nibok, Uaboe, Baitsi, Ewa, Anetan, Anabar, Ijuw, and half of Anibare districts), and a southern alliance centered on Meneng (which included at the time what are now half of Anibare, Meneng, Yaren, Boe, Buada, Aiwo, and Buada districts), while Denigomodu usually allied itself to Buada. Whether this split was also manifested in a dialectal way is not known. [3]

It is of interest that Delaporte set up his mission in the pre-colonial southern alliance area (Orro hamlet being situated in present day Boe district), while the Catholic mission that Kayser joined was located in the pre-colonial northern alliance area (Ana hamlet being situated in present Ewa district). So, if there were dialectal peculiarities based on the pre-colonial alliance areas, these may have been reflected in the Nauruan of Delaporte and Kayser.

The Nauruan language itself is recognized by linguists as being a divergent member of the Micronesian language family – itself a division of the Oceanic Group within the extensive Austronesian language family. [4] As far back as 1986, Frederick H. Jackson intimated that both Nauruan and Kosraean were the earliest settled outposts of the Micronesian peoples. [5] Researchers have not been able to pinpoint the stepping-stone of the Micronesian peoples other than they came from ‘Near Oceania’ (the Bismark Archipelago and the Solomon Islands, as well as perhaps the northern Vanuatu islands) between 1500 B.C. and 200 B.C. (Petersen 2009:39,40).

Figure 1. Phylogenetic Tree of the Micronesian Languages (from Andrea Bender and Sieghard Beller, 'Ways of counting in Micronesia', Historia Mathematica 56 (2021).



Reference:

CAL = Carolinian
CHK = Chuukese
GIL = Kiribati
KOS = Kosraean
MAH = Marshallese
MKJ = Mokilese
MPY = Mapia (extinct)
MRL = Mortlockese
NAU = Nauruan
NMT = Namonuito
PFA = Pááfang
PIF = Pingelapese
POL = Pollapese (dialect continuum with Puluwatese)
PON = Pohnpeian (including Ngatikese, which is a divergent dialect of Pohnpeian)
PUW = Puluwatese
SOV = Sonsorol
STW = Satawalese
TOX = Tobian
TPV = Tanapag
ULI = Ulithian
WOE = Woleaian

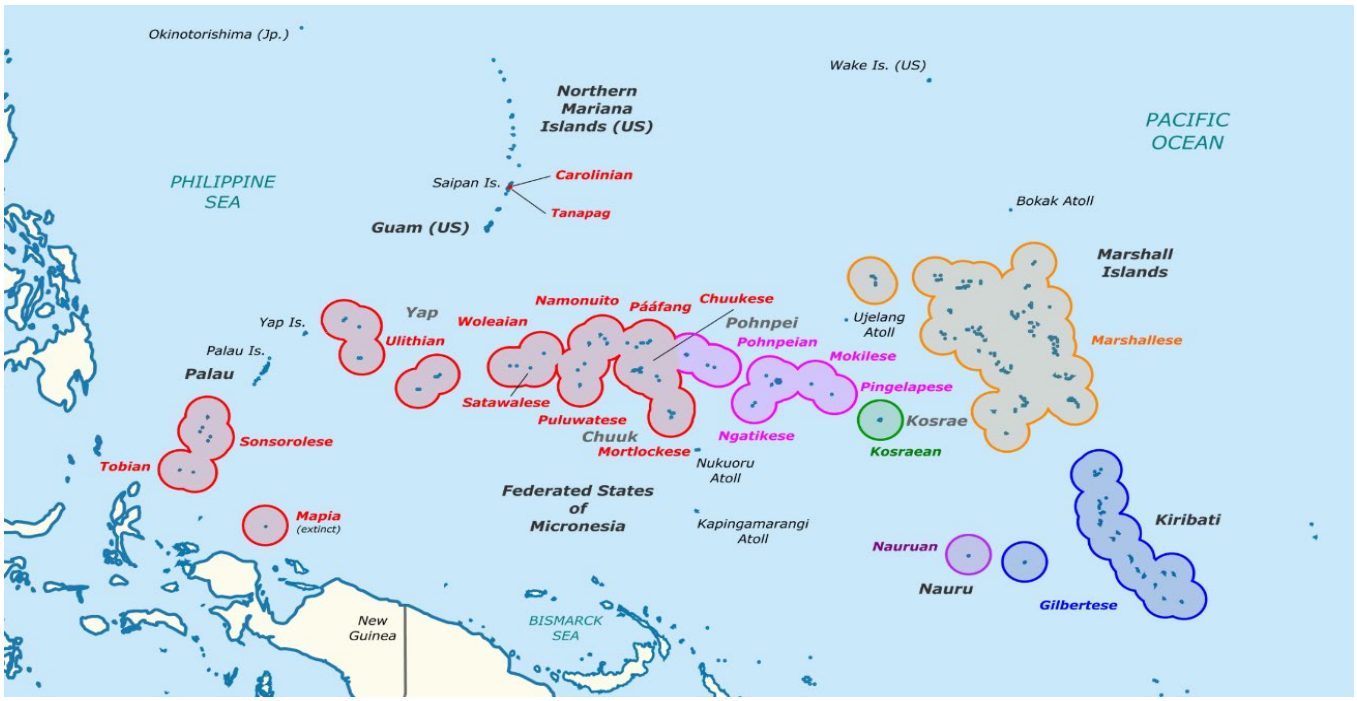
Nauru is a small island of circa 21 square kilometers (8.1 square miles) almost straddling the Equator in the Western Pacific. Until German annexation in 1888 Nauru was a sovereign polity, although it had had a small number of European/American residents of various moral propensities from the 1830s onwards, some wielding considerable power (of a negative kind). Their arrival coincided with the explosion of the Pacific whaling industry.

The first census taken by the German Imperial authorities enumerated 1,294 islanders. However, the population prior to European contact would have been significantly greater.

Paul Hambruch in his work on Nauru in 1910 (Ergebnisse Der Südsee-Expedition 1908-1910: II. Ethnographie: B. Mikronesien, Band 1: Nauru, 1 Halbband. Hamburg: L. Friederichsen & Co., 1914, pages 59 – 62) obtained the names of some 169 hamlets (homesteads), 40 of which were uninhabited in 1910. So, the pre-contact population may have been nearer 2,500 during drought free periods and barring natural disasters like tsunamis or cyclones.

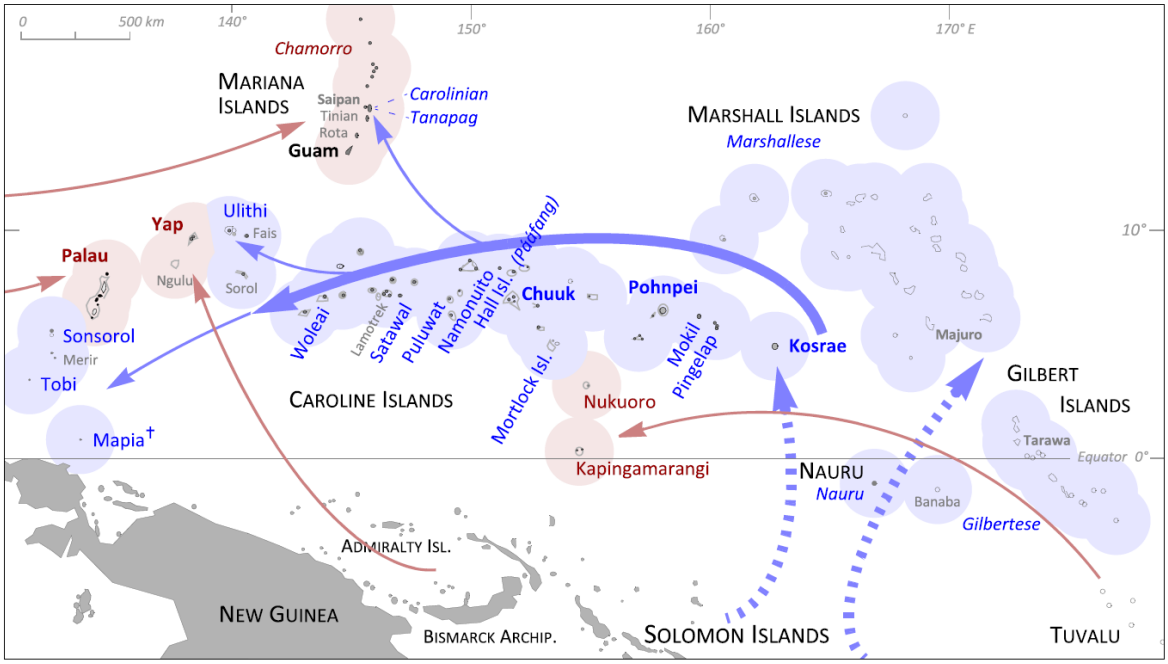
Like all of the Pacific islanders, the population collapsed from the moment of European contact with the introduction of influenza varieties unknow to them, as well as Measles and Smallpox. Similar stories of population collapse have been recorded for the Iles Sous-le-Vent in the the Society Islands (100,000+ down to 8,000 in a fifty year period); the Marquesas Islands (circa 100,000 down to 12,000 in a fifty year period; Hawai'i (300,000+ down to 190,000 in a fifty year period) (see Sodter, F. 1993. L' Histoire Démographique. Atlas de la Polynésie Francaise. Institut français de recherche scientifique pour le développement en coopération; Robert C. Schmitt. 1971. New Estimates of the pre-censal population of Hawaii. The Journal of the Polynesian Society Vol.80, No. 2.); and a similar collapse for the First Nations of the Americas from the moment contact was made with Europeans. These collapses are mostly unrecorded (as with Nauru) as they pre-date sustained European contact.

Map 1. Map of Micronesian Language Family (https://commons.wikimedia.org/wiki/User:Tyk)



Map 2. Micronesian Expansion (from Andrea Bender and Sieghard Beller, 'Ways of counting in Micronesia', Historia Mathematica 56)

Micronesian pathways in blue, non-Micronesian ones in dark red.
Shaded circles indicate a 100-mile radius around islands, the average distance of an overnight voyage (Marck, 1986)



2. Current Status of Nauruan.

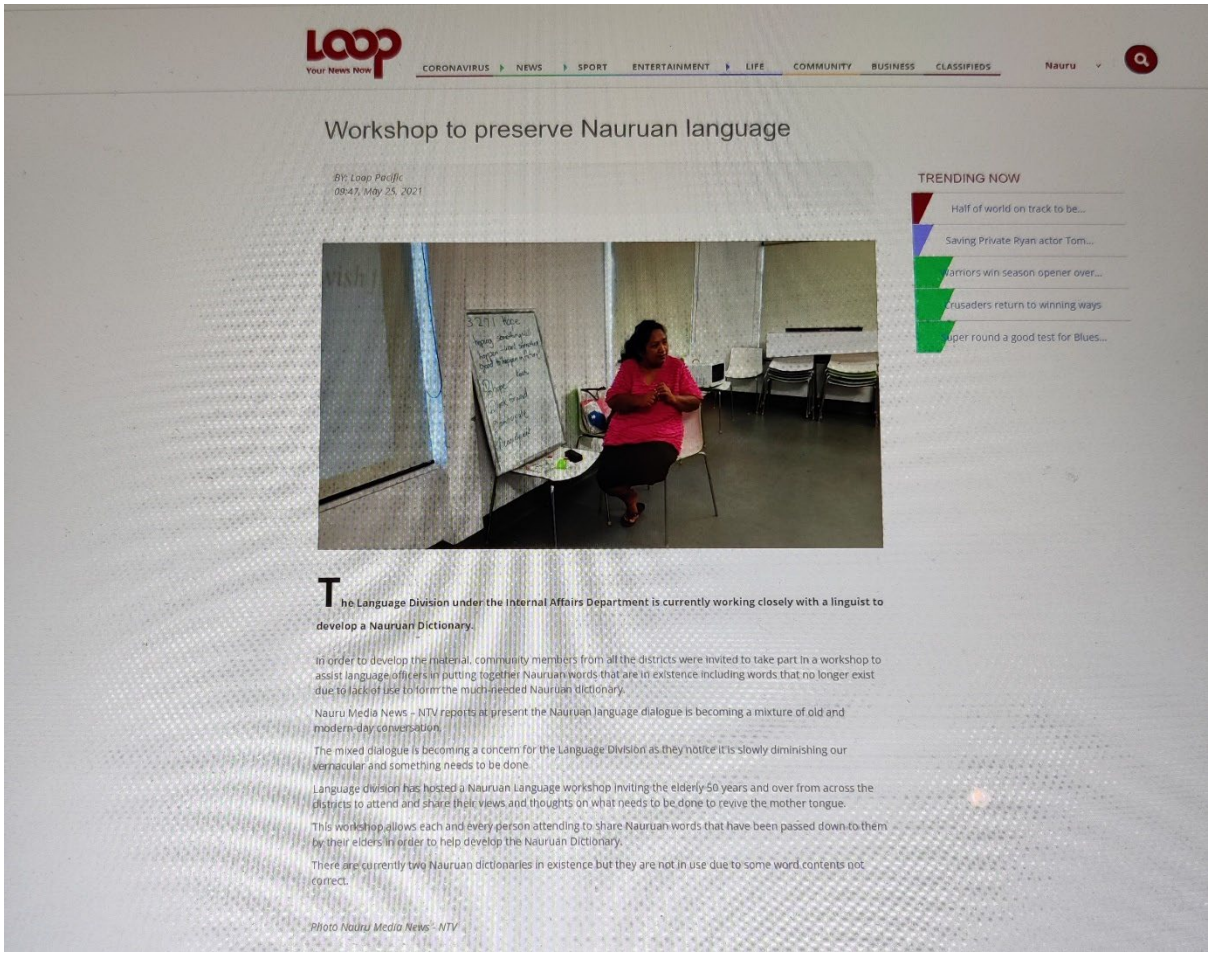
The Nauruan language is confined to the island of Nauru (an independent republic since 1968), though there are small communities of Nauruans in neighbouring countries (Australia, Fiji, New Zealand among others).

No mention of the Nauruan language is made in the Constitution of Nauru (1968), but, as Xavier Barker has noted:

"….it appears to have become the *de facto* official language in government, the media and education without any legal support".
(Barker, Xavier. 2012. English Language as Bully in the Republic of Nauru. In: English Language as Hydra: Its Impacts on Non-English Language Cultures , Rapatahana, Vaughan and Pauline Bunce (editors). Volume 9 of Linguistic Diversity and Language Rights)

Concerns exist that the lack of state sponsorship and the lack of Nauruan language classes in the schools is threatening Nauruan, as well as the possibility of the creolization of Nauruan through English. See the May 25, 2021 article at https://www.loopnauru.com/nauru-news/workshop-preserve-nauruan-language-100614

Figure 2. News Report on Concerns for the Nauruan Language.



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Workshop to preserve Nauruan language

By: Loop Pacific
08:47, May 25, 2021

TRENDING NOW

- Half of world on track to be...
- Saving Private Ryan actor Tom...
- arriors win season opener over...
- rusaders return to winning ways
- uper round a good test for Blues...

The Language Division under the Internal Affairs Department is currently working closely with a linguist to develop a Nauruan Dictionary.

In order to develop the material, community members from all the districts were invited to take part in a workshop to assist language officers in putting together Nauruan words that are in existence including words that no longer exist due to lack of use to form the much-needed Nauruan dictionary.

Nauru Media News - NTV reports at present the Nauruan language dialogue is becoming a mixture of old and modern-day conversation.

The mixed dialogue is becoming a concern for the Language Division as they notice it is slowly diminishing our vernacular and something needs to be done.

Language division has hosted a Nauruan Language workshop inviting the elderly 50 years and over from across the districts to attend and share their views and thoughts on what needs to be done to revive the mother tongue.

This workshop allows each and every person attending to share Nauruan words that have been passed down to them by their elders in order to help develop the Nauruan Dictionary.

There are currently two Nauruan dictionaries in existence but they are not in use due to some word contents not correct.

Photo Nauru Media News - NTV

The following figures are taken from the “National Report of Population and Housing – Census 2011”.

At the time of the 2011 census, the population of Nauru was 10,084.

According to the 2011 Census, 93% (circa 9,300) of the population of Nauru gave Nauruan as the language of the home.

Although 66% of the population were enumerated as able to speak English, only 2% of the population gave it as the language of the home.

The 2011 Census also revealed that 6% could speak Kiribati, 2% some form of Chinese, although these languages were not necessarily the language of the home.

95% of the population of those 5 years and older were enumerated as able to speak Nauruan.

The population is projected to peak mid century at 11,000, with a steady decline until the end of the century, with a 2100 estimate of circa 5,800 (UN World Population Prospects 2019).

3. Phonetics.

The most recent study in Nauruan phonology is by Kevin Hughes (The Synchronic and Diachronic Phonology of Nauruan: Towards a Definitive Classification of an Understudied Micronesian Language, 2020) and he indicates 7 vowel phonemes.

Table 1. Nauruan Vowels in IPA (adapted from Hughes 2020:15).

	Front	Central	Back
High	i	ɨ	u
Mid	e	[ʌ]*	o
Low	æ	a	

* Hughes 2020 uses the IPA symbol [ɐ] for [ʌ]. He considers it to be an allophone of /a/.

3.1. Description of Consonant Phonemes.

The Consonant inventory allows for at least 23 phonemes.

Table 2. Nauruan Consonants in IPA (adapted from Hughes 2020:15).

	Bilabial	Alveolar	Palatal	Velar
Stop	pʲ bʲ pˠ bˠ	t d tʃ dʒ		k g kw
Nasal	mʲ mːʲ mˠ mːˠ	n		ŋ
Glide			ɻ j	w
Rhotic		r ř		

The following description of Nauruan consonant phonemes has been adapted from Hughes 2020:16–100.

/pʲ/ voiceless palatalized bilabial stop
[p] before /i/ and /e/
intervocalic lengthening

/bʲ/ voiced palatalized bilabial stop
[b] before /i/ and /e/, and word-final
intervocalic frication possible [β, βʲ]
phrase final [p]

/pˠ/ voiceless velarized bilabial stop
[p] before /o/ and /u/, and word-final
velarization optional before the central vowels /a/ and /ɨ/
intervocalic lengthening

/bˠ/ voiced velarized bilabial stop
[b] before /o/ and /u/
[p] in phrase-final position
velarization optional before central vowels /a/ and /ɨ/

/t/ voiceless apical stop
intervocalic lengthening

/d/ voiced apical stop
[t] in phrase final position

/tʃ/ voiceless palato-alveolar affricate
only before /i/

/dʒ/ voiced palato-alveolar affricate
only before /i/

/k/ voiceless velar stop
Intervocalic lengthening

/g/ voiced velar stop
[k] in phrase final position
can surface as [ɣ] intervocalically

/kʷ/ voiceless velar stop, secondary labialization

/mʲ/ palatalized bilabial nasal
[m] before /i/ and /e/, and word final

/mːʲ/ geminate palatalized bilabial nasal.
[mː] before /i/ and /e/, and word final

/mˠ/ velarized bilabial nasal
[m] before /o/ and /u/ and word final
velarization optional before central vowels /a/ and /ɨ/

/mːˠ/ geminate velarized bilabial nasal
[mː] before /o/ and /u/
velarization optional before central vowels /a/ and /ɨ/

/n/ apical alveolar nasal

/ŋ/ velar nasal

/w/ rounded labiovelar glide

/j̰/ palatal consonant with light to moderate frication which is variably absent; [j̰] ~ [j]

/j/ palatal approximant

/r/ alveolar trill

/ř/ fortis trill

3.2. Some Observations of Sound Changes in Nauruan during the 20th Century.

There are several sound changes and changes in syntax that have occurred in Nauruan since the first half of the 20th Century, which may be due to the influence of English and/or the unfortunate loss of many of the language gatekeepers during the 2nd World War. [6] The governments of Nauru since 1945 have not fostered the development of Nauruan as a literary medium, nor is it taught in Nauruan schools.

Among the changes are:

a. *The 'monophthongization' of the dipthongs [ai, ae] to [e]*: i.e.

'aiquen', one > ekwen

'aiju', three, > eɻu

'aijimo', five > eɻim^{j}o

'aeiu', seven > eiju

'ngain', his/her child > ngen

b. The lowering of the dipthongs [ao, au] to [o, ou]

c. *The raising of vowels*, example:

'eõ [eʌ]' , 'not' > ia [iʌ]

d. *'-ow' is simplified to /-o/*, example:

'miow', fear > m^{j}io [mio]

e. *Between high vowels, /j/ (which represents the palatal glide) is moving towards a fricated allophone, [ʝ]*: e.g. 'aijimo', 'five' > 'ejimo', > 'eʝimo'. Already in pre-contact Nauruan /j/ had a fricated allophonic variant in certain environments (see NG2) - this is spreading.

f. *The diphthongs [ia, io, iu] which normally represented an intial non-syllabic vowel glide [i̯a, i̯o, i̯u] have drifted to [ja; jo; ju]*; its sound varies from /j/ to the fricated sound [ʝ], which is gaining the upper hand: e.g.

'ian', 'in it' > [jan/ʝan]

'ion', 'an, a' > [jon/ʝon]

'iut', 'Guettarda speciosa' > [jut/ʝut]

ijõñ, below > ʝaŋ [ʝʌŋ]

g. /t/ before the high vowel /i/ represents a voiceless affricate [ts], which in contemporary Nauruan has moved towards a voiceless palato-alveolar affricate [ʧ]. /d/ before the high vowel /i/ is the voiced counterpart, [dz], now moving towards [dʒ].

h. *The fortis rhotic, which is represented by the glyph /ř/ in Hughes, in contemporary Nauruan appears to be merging with the usual rhotic /r/ in a number of speakers* (see Nathan 1973.1:6,7; Hughes 2020:23, 97-100).

i. An instance of language change mentioned by Hughes (Hughes 2020:80) is the confusion on the role of denasalization in the language. Although not all of the rules for denasalization have been ascertained from written records, denasalization usually occurs when a word-final /n/ is followed by a high vowel within a phrase. However, it has been observed in contemporary Nauruan that word-final /n/ is being regularly denasalized to /t/, to the point that many are uncertain when a final /n/ should be pronounced with a final /t/; this alternation was not observed in Nauruan during the first half of the 20th Century. It seems to have been present to some degree by the 1970s as Nathan makes an interesting observation (Nathan 1973.1:5) :

"In word-final position there exists a set of nasal phones whose phonemic identity has not yet been entirely established. They are 'prestopped nasals' [^{b}m] and [^{d}n]…[^{d}n] I have no explanation, except that it may somehow be connected with a morphophonemic alternation between /n/ and /t/.

This obervation by Nathan may be part of the explanation for denasalization.

It could be that in an earlier stage of Nauruan, pre-stopping of /n/ (giving /^{d}n/) began to develop intervocalically at word boundaries, but only where the following word began with the high vowels /i/ and /e/ . The pre-stopping then developed into the denasalization process observed during the first half of the 20th Century.

While occuring before the nominal prefix/absolute marker, the denasalization of /n/ to /t/ is not present before all high vowels.

Denasalization does <u>not</u> appear to be triggered:

(i) before adpositions
(ii) between compound adpositions
(iii) before locative adverbs
(iv) before the 3rd Person Singular Dependent Pronoun 'e'
(v) with Proper Nouns (Personal Names, geographic names) ending in '-n'
(vi) before nouns modified by possessive suffixes or the contruct suffix, or the simple demonstrative
(vii) 3rd Person Singular forms of the General and Relative Possessive Classifiers followed by a high vowel (Except inverted possessive clauses)
(viii) after a demonstrative that is acting as a relativizer (i.e. a demonstrative ending in -n)
(ix) Unrealized Aspect Marker 'nan' (Except in restricted cases)
(x) when the Applicative Suffix *ei/eiy* is suffixed to a word-final *-n*.

Whether denasalization is/was an optional morphophonetic change, and/or influenced by the stress or lack thereof of the high vowel, has not been ascertained.

With the spread of denasalization in word-final position by analogical levelling, the syntactic reasons for the process are becoming blurred, causing confusion in the minds of the younger cohorts of mother-tongue speakers.

i. *Syncope and ellision in oft-used words*, i.e.

ekegen > eken (what?)

ijegen > ijen (who?)

adaga > ada (why?)

anga > nga (1S.IND)

ngea > nge (E+MED)

nuwaw > waw (go)

bwe nim > nim

bwe dogin > dogin

4. Orthography.

Nauruan does not at present have an official orthography, so citations are mainly given in the writing system of the original source. Although an official orthography was gazetted in the official gazette of Nauru (No.47 of 5th November 1938), it has never been implemented.

There have been several orthographies that have been used to write Nauruan. Among these are:

1. Orthography used by Paul Hambruch in his studies on Nauru in 1910.

2. Orthography used by Aloys Kayser in his 1915 "Nuwawit testament obwe me etsimeduw"

3. Orthography used in the 1918 Bible and related Protestant texts.

4. Orthography used by Aloys Kayser in the journal "Anthropos" and related journals.

5. Orthography used by Aloys Kayser in his "Nauru Grammar".

6. Orthography recommended by the Nauru Administration in 1938.

7. Orthography used by Aloys Kayser as evidenced in the 1976 New Testament.

4.1. Observations on Kayser's orthographies 1936 and 1976.

Kayser in *Nauru Grammar* (1936) was apparently trying to produce a phonetic record of the Nauruan he heard and was taught. This phonetic transcription is never fully described and even within *Nauru Grammar* there are some variations in the spelling of the same word.

With regard to the consonant inventory, his description lacks any sistematic representation of palatalized and velarized consonants or consonant gemination.

There is no systematic description or transcription in the fact that in phrase final position the voicing of oral stops in neutralized:

_b > _p

_d > _t

_g > _k

However, he was aware of the variation in some verbs, i.e.

katuk NG175 to strain > *katugien NG175* now he has strained it

He was aware of consonant gemination being a feature, but had no systematic description or transcription of it, as this quote shows (NG2):

"In many cases where the word begins with 'm-', this 'm-' is prefaced with a light sound almost amounting to a second, introductory 'm'… "

Kayser was also aware of a "fleeting slide vowel" (NG3) in '*aijimo*', '5', using the spelling '*aijimeo*' in *Nauru Grammar*. This refers to the palatalized 'm' of the Nauruan sound system which Hughes indicates using the IPA glyph /m^{j}/. Kayser was also aware of "a hardly perceptible gliding vowel *u*" (NG3) associated with 'm'. But apart from these two comments,

there is no indication that Kayser saw the need to distinguish between the palatal and velar /m/ (or other consonants with this distinction).

The orthography adopted in the 1976 New Testament is a much simplified system.

All diacritics are removed from vowels:

[ä] is converted to [e]

[i̱] is converted to [u]

the velar nasal [ṅ] is converted to [ng]

the voiceless velar stop [q] is invariably converted to [kw]

4.2. Observations on the Orthography of the 1918 Bible.

The orthography reduces the sound system of Nauruan to its absolute necessary parts, but one that a native speaker would be able to contend with, just as an English or French speaker contends with a very outdated and unphonetic/unphonemic writing system.

It uses 8 letters to cover the vowels.

The letter 'a' represents both /a/ and /æ/.

The letter 'ã' represents /e/ or an allophone of /e/.

The letter 'õ' represents [ʌ] (latest studies treat this as an allophone of /a/).

The letter 'ũ' represents /ɨ/ (a central unrounded vowel) in most cases.

On the consonantal side, there is no apparent understanding of velarized versus palatalized consonants, consonant gemination, or word-/phrase final devoicing/simplification.

The letter 'ñ' represents the velar nasal /ŋ/.

The letter 'q', or the combination 'qu' represent /kw/.

The letter 'j' represents the palatal glide.

The combination 'tsi' (usually written 'ti' in other orthographies) only appears before /i/.

The 1918 Bible also uses some orthographic conventions, among which:

(a) The translators use 'ã' to represent the 3rd Person Singular Dependent Pronoun 'e' when the verb phrase it belongs to is impersonal.

(b) The translators use 'A' (capital 'a') to represent the 1st Person Singular Dependent Pronoun 'a' in all of its occurrances.

(c) Where a verb (or a pre-verb word) heads a verb phrase and has no overt person maker , it is by default 3rd Person, but the translators overcompensate by often putting a 'ghost' vowel to indicate it is a 3rd Person actor.

When 'ma', 'and' and 'bwe', 'for' precede a vowel-initial verb in such a situation, the translators often delete the vowels of 'ma' and 'bwe' (which is done is spoken Nauruan) but mirror the initial vowel of the verb or any 'ghost' vowel the translators decided on including, so you can end up with a 'dummy' vowel and a 'ghost' vowel, e.g.

mõ õ õmeata, 'and he brought it out' , actually represents m' õmeata

(d) When a final consonant of one word meets an initial consonant of the following word in a phrase, Nauruan usually interposes an epenthetic vowel (a non-syllabic "schwa" vowel /ə/) between the two consonants if the combination of the two consonants is, as Rebecca Morley observed:

"sequences that are disallowed or dispreferred within the language." (see her article "Consonant Epenthesis", https://www.oxfordbibliographies.com)

The translators do not consistently show the epenthetic vowel, and when they do it can be represented by 'e' or 'i' or 'o' or 'õ'.

(e) In the 1918 Bible both the 1st Person Dual Incusive Dependent Pronoun and the 3rd Person Dual Dependent Pronoun are spelt 'ar', but there is a difference in vowel quality, i.e.

1st Person Dual Inclusive Dependent Pronoun	-	ar [ær]
3rd Person Dual Dependent Pronoun	-	ar [ʌr]

4.3. Comparative Table of Nauruan Orthographies

Table 3. Comparative Table of Nauruan Orthographies.

Kayser 1936 Examples from *Nauru Grammar*	Kayser 1976 New Testament	1918 Bible	Hughes 2020
a man, he is clever; abab, to kill	a mwan abab	a man abab	æ emʸæn æbʲæp
ạ emạn, he is dead	a eman	a eman	æ emʲæn
a̲ wa̲ṅa, mine ouwa̲k, big	a wanga ouwak	a waña ouwak	a ~ æ waŋa oæg
ạ eoquạn, sun	a ekwan	a equan	æ kʷæn
ä mäö, my eye bäö, my hand	e meo beo	e meõ beõ	e mʲe- bʲe-
ẹ jẹt, when?	e yet	e jet	e ɨjet
e innen, his mother aiquen, one	e innen aikwen	e inen aiquen	e ine- e-kʷen

e̲ epe̲, stone be̲be̲, light	e epe bebe	e epe bebe	e pʲe-n bʲebe
i ini, coconut	i	i	i ini
i̲ niṅeniṅ,to pull tightly	u nunginung	ũ nũñinũñ	(ɨ)
o bobo, to smell	o bobo	o bobo	o bʸobʸo
o̲ eo̲ṅ, to cry	o eong	õ eõñ	a ijaŋ
ö ebög, water etöṅin, his father gör , to run bäö, my hand öd, go,pass mög, dry	o ebog etongin gor beo od mog	õ ebõk etõñin gõr beõ õd mõg	a ~ ʌ ~ æ ebʲag etaŋ- gar [beɨ/beʌ] ad mʲæg
u dudu, to water	u dudu	u dudu	u dudu
u̲ ü ibügibügi, grass büm, night ṅabu̲na/ṅabüna mu̲ṅana/müṅana ibu̲, ashore	u ibugibugi bum ngabuna mungana ibu	ũ ibũgibũgi bũm ñabũna mũñana ibũ	u ibʸugibʸugi bʸumʸ ŋabʲuna mʸuŋana -
u̲ iju̲, fish	u iu	ũ iũ	u iju
ã ã, yes	---	eh	ẽ
q, qu	kw	q, qu	kw
ṅ	ng	ñ	ŋ

5. Abbreviations Used.

1	First Person
2	Second Person
3	Third person
S	Singular
D	Dual
T	Trial
P	Plural
EXC	Exclusive
INC	Inclusive
ADV	Adverbial prefix ***a-, ana-***
AB	Absolute Marker/Nominal Prefix ***e-/i-***
ANIM	Animate Class
APPL	Applicative suffix ***-eiy/-ei***
APPL2	Applicative 2 suffix ***-i***
AUG	Augmented form of demonstrative
AV	Avertive ***eniy***
CAUS	Causative Prefix ***ka-/ga-***
CF	Contrafactual
CL	Classifier
COM	Comitative/Instrumental Suffix ***on/õn***
COM2	Comitative/Instrumental Suffix ***-an***
COMM	Command ***ko/kõ***
COMP	Completive ***ogiten***

COND	Conditional Marker
CONS	Construct Particle ***in***
DAT	Dative (indirect object) Form
DEP	Dependent Form of Personal Pronoun
DIR DIR1 – *eda/ida* upwards, out of, from DIR2 – *ädu/edu* downwards, in, back DIR3 – *ata* out, from within, upwards DIR4 – *atu* in,downwards DIR5 – *oda* steady movement forwards DIR6 – *odu* steady movement backwards DIR7 – *ruwei/ruweij/ruweiy* towards the speaker DIR8 – *n* general directional DIR9 – *w* general directional DIR10 -*dan* out, out of from DIR11 -*dun* in, back, from	General Directional Particle **eow, iow** Directional Suffixes
DIST	Distal ***-no/-ọo***
E	Emphatic Prefix ***nga-/ña-***
FAC	Factitive Prefix ***o-/õ-***
FV	Function Vowel
GPOS	General Possessive Classifier ***a-***
GER	Gerundive
IMM	Immediative ***orren/õren***
INDF	Indefinite Determiner
IND	Indipendent Form of Personal Pronoun
INTENS	Intensifier ***kor/kõr***
LOC	Locative Prefix
MED	Medial ***-na/-ọa***
MOD	Modal ***nim/nụm***
MUT	Mutual familial relationship ***-i***; same as APPL2
NE NEI NEII NEIII	Non-Emphatic Prefix non-emphatic demonstrative prefix, form I ***min-*** non-emphatic demonstrative prefix, form II ***mu-/mũ-*** non-emphatic demonstrative prefix, form III ***bit-***

NEG	Negative ***eo/eõ***
NP	Numeral Prefix ***a-***
OBJ	Objective Form of Personal Pronoun
OP	Optative ***karenaga***
PERF	Perfective Aspect Suffix ***-en***
PERS	Persistive ***ekeowina***
POS	Possessive Personal Pronoun Suffix
PREI	Pre-Inceptive ***eitiok/eitsiõk***
PROG	Progressive ***oreita/õreita***
PROX	Proximal ***-ne/-o̧e***
RED	Reduplicated Form of Verb/Noun
RPOS	Relative Possessive Classifier ***w-***
SUCC	Successful Outcome Suffix ***wong/wõñ***
SUP	Superlative form
TAG	Question Tag
TEMP	Temporal ***ngag-/ñag-***
UNR	Unrealized Aspect ***inan/nan***
UNR.NEG	Unrealized Negative Aspect ***eab***
V	Verb
VNI	Velar Nasal Intrusion
1976	Nuwawit Testament Etimeduw 1976
HS	Nauru 2007 Demographic and Health
hsd	Nauru Hansard
NB1	Ekegen Ngea Gott Tengeiy Atsin Turita?
NB2	Kaiõt kõ Aen Gott me Tsimor Eko Toki

NG	Nauru Grammar 1936
Nuw	Nuwawit testament obuä 1915
NuwNT	Nuwawit testament etimeduw 1915
PC	Personal Communication
SN	Sprache von Nauru 1914
TNR30	Õten Am Aia Bibel?
TNR31	Õten Am Aia Ino Ijamwan?
TNR32	Eken Ñea Ki Konan Abibõki Amen Bwieni?
TNR 33	Ijen Eow Ñune Eb?
TNR 34	Tune Emaga Iña Edae I Nan Keowen?
TNR35	Bwina Ema Nan Tik Timor?
TNR36	Ken Ngea Monibain Gott?
TNR37	I Ino Añ Konan Ãt Kaganado n Õneien Ikidõ Ñane Towe Itsimor?
*	Unattested form or reconstructed form

6. Observations on the origins of Nauruan Numerals as reflexes of Proto-Oceanic.

Many of the Nauruan low numeral roots (1 – 10) can be traced back to Proto-Oceanic numeral reconstructions.

Table 4: Proto-Oceanic reconstructions and reflexes in Micronesian daughter languages.

Numeral	Proto-Oceanic reconstruction	Kosraean	Marshallese	Kiribati	Pohnpeian	Woleaian	Nauruan
1	*ta-sa *sa-kai *tai *kai	se, sie	juon	te	ehd eh.u	se	a.(a)i.kwen (aiquen/ aiquön)
2	*rua	luo	ruo	uo, ua	ari/are ria.u	riuwa	a.ro
3	*tolu	tolu	jilu	ten	esil siluh [silu.u]	seli	a.iyu (aiju)
4	*pat(i)	a, ah	emen	a	epeng pahie.u	faa	a.eokw (aeoq)
5	*lima	lim-	lalim	nima	alim/alem lima.u	lima	a.iyimo (aijimo)
6	*onom	on	jiljino [3 + 3]	ono	oun/aun wene.u	wolo	a.ngo (año)
7	*pitu	it	jiljilimjuon [3 + 3 + 1]	iti	eis isuh [isu.u]	fisi	a.eiu
8	*walu	oal	rualidök [10 – 2] [give two (to complete ten)	wan	ewel waluh [walu.u]	wali	a.oiyu (aoju, auju)
9	*siwa	eu, yuh	ruadimjuon [10 – 2 + 1] [give two (to complete ten) plus one]	rua	adu/edu duwa.u	tiwa	a.do
10	*[sa]-ŋa-puluq (*ŋawulu, *itaki Proto- Micronesian)	-ñul, -nguhul	johñoul	te.bwi.na	eisek	se.ig	a.ta
100	*Ratu(s) (*pwukua Proto- Micronesian	-fok	ji.bukwi	te.bubua	e.pwiki	se.biugiuw	a.i.bu
1000	*Ribu [Proto- Malayo- Polynesian]		je.rapen	te.nga	kid	sa.ngeras	a.ranga (araña)

Notes:

(a) The various reflexes are written non-phonemically according to a number of traditional orthographic conventions

(b) Morpheme break indicated by period [.]

(c) For Proto-Oceanic reconstructions, see Schapper, Antoinette & Hammarström, Harald, Innovative Numerals in Malayo-Polynesian Languages outside of Oceania (2013)

(d) The (proposed) composition of compound numerals in Marshallese is from Augustin Erdland, Wörterbuch und Grammatik der Marshall-Sprache nebst ethnographischen Erläuterungen und kurzen Sprachübungen (1906), and François-X.-N. Zewen, F.-X.N., The Marshallese language: a study of its phonology, morphology and syntax (1977)

(e) The Pohnpeian numerals are from Kenneth L. Rehg, Ponapean Reference Grammar (1981)

(f) A different analysis of the origins of Nauruan numerals is given by Kevin Hughes – see his "The Synchronic and Diachronic Phonology of Nauruan: Towards a Definitive Classification of an Understudied Micronesian Language" (2020)

(g) The traditional Nauruan spelling reflects the pronunciation of Nauruan encountered from the inception of the Colonial period (1888) to the generations into the 1950s/60s. The contemporary pronunciation reflects two general sound changes of more recent times.

There has been a 'monophthongization' of the dipthongs [ai, ae] to [e], and a lowering of the dipthongs [ao, au] to [o,ou]: i.e.

'aiquen', one > ekwen

'aiju', three, > e̟ju

'aijimo', five > e̟jimʲo

'aeiu', seven > eiju

And, as the above indicated, there has also been a fricatization of the palatal glide /j/ near high vowels, moving towards a fricated allophone, [̟j]: i.e.

'aiju' > 'eju' > e̟ju

'aijimo', 'five' > 'ejimo', > 'e̟jimo'

The Nauruan reflexes indicate a number of phonological changes from the ancestor language, and the possible sequences of change are suggested below, i.e.:

POc *l > Nauruan y (through a process of palatalization and yotization)

Examples:

*telu – '3'

vowel heightening in first syllable	>	tilu
loss of initial consonant	>	ilu
palatalization of 'l'	>	ilyu
yotization of 'l'	>	iyu
initial vowel to vocalic glide	>	i̟yu

*lima - '5'

palatalization of 'l'	>	lyima
yotization of 'ly'	>	yima
lowering of final vowel	>	yimo

*walu - ‘8’

lowering of first syllable vowel	>	wolu
loss of initial consonant	>	olu
diphthongization of initial vowel	>	oilu
palatalization of ‘l’	>	oilyu
high vowel reduced to vocalic glide	>	oi̯lyu
yotization of ‘ly’	>	oi̯yu

POc *n > Nauruan ŋ/ng

*onom – ‘6

process of nasal velarization	>	oŋom
loss of initial syllable	>	ŋom
loss of final consonant	>	ŋo

POc *s > Nauruan d

*siwa - ‘9’

affrication of initial ‘s’	>	dziwa
vowel rounding in final syllable	>	dziwo
lowering of first vowel	>	dzowo
deaffrication	>	dowo
loss of final vowel	>	dow
loss of final consonant	>	do

Loss of POc *p and *t

*pat(i) - ‘4’

loss of initial consonant	>	at
loss of final consonant	>	a

*pitu - ‘7’

loss of initial consonant	>	itu
diphthongization of initial vowel	>	eitu
loss of intervocalic consonant	>	eiu

7. Nauruan Numeral System.

The Nauruan numeral system falls into the following categories (with sub-categories), namely,

(1) Cardinal numerals:

general cardinal numerals,
animate cardinal numerals,
classificatory cardinal numerals

(2) Demonstrative numerals:

general demonstrative numerals,
animate demonstrative numerals,
classificatory demonstrative numerals,

(3) Distributive numerals:

general distributive numerals,
animate distributive numerals,
classificatory distributive numerals,

(4) Ordinal numerals,

(5) Fractional numerals,

(6) Iterative numerals,

(7) Approximative Numerals,

(8) Skip Counting,

(9) Jocose numerals

7.1. Composition of Numerals

The numeral is made up of at least:

(1) numeral root

(2) prefix

and can be expanded with:

(3) suffix

(4) classifier

8. Prefixes used with numeral roots

The prefixes found with the numeral roots, are *a-*, *ka-*, the classifiers, and the demonstrative prefixes.

8.1. Numeral Prefix *a-*

The Numeral Prefix *a-* appears before

1. cardinal numerals:

a-ro

a-iju

a-ijimo

a-ño etc.

2. as the first element of the classificatory numeral particle (see Section 14.3.1.):

a-ra-n classificatory numeral particle of classifier CL30, *ra*, denoting objects presenting a flat surface

a-mae-n classificatory numeral particle of classifier CL21, *mae*, denoting objects presenting a long, rigid aspect.

8.1.1. Numeral Prefix Variant *ana-*

There is a variant form of *a-*, namely *ana-* , found only in the numerals *anaruma* '20' and *animo* '30'.

This is analysed here as:

an- Adverbial Prefix + *a-* Numeral Prefix

an- as an adverbial prefix is found in expressions such as:

an-bümi-n in the night of… NG192

an-oniṅ-ü in my childhood NG192

an-eṅab-ü in my old age NG192

So,

an + a + ro +ma > anaroma > anaruma, anarama '20'

where

an = Adverbial Prefix

a = Numeral Prefix

ro = '2'

ma = tens suffix

an + a + iyu + ma > anaiyuma > anaiyumo > (with syncope) animo '30'

where

an = Adverbial Prefixa

a = Numeral Prefix

iyu = '3'

ma = tens suffix

Note:

The prefix 'an-' is only seen in these two derived forms used in the general enumeration; the original forms for 20 and 30 are retained for the Animate Cardinal Numeral set. (See Sections 13.7. and 13.8.)

8.1.2. Numeral Prefix correspondences in Oceanic Language Family.

An '*a-*' prefix associated with numerals is found in a number of Oceanic languages located in the New Ireland – New Britain – Bougainville area of Papua New Guinea (Meso-Melanesian grouping), as well as in the Tîrî language of New Caledonia; whether these instances are related to the Nauruan prefix has yet to be determined.

Table 5: Oceanic Languages with a- Prefix

Language ↓	Numeral →	1	2	3	4	5
Saposa/Taiof Bougainville		a isen	a fuan	a fopis	a fac	a nima
Lungalunga/ Mingir New Britain		tikai	a uruə	a utulu	a ivati	a ilimə
Tolai New Britain		tikaɪ	aʊrʊa	aʊtʊl	aɪvat	aɪlɪma
Patpatar New Irelan		tikai	a-iruo	a-itul	a-ihat	liman
Tinrin/Tîrî New Caledonia		sa-a	a-urru	a-sirri	a-e	a-nrôrrô

Source: https://lingweb.eva.mpg.de, https://www.zompist.com/anes.htm, Midori Osumi, "A Grammar of Tinrin" (1990)

8.1.3. Causative Prefix *ka-*

The Causative Prefix *ka-*, when used in conjunction with a numeral root, forms the Nauruan distributive numeral. (See Section 25.)

In its original form, this acted as a causative verb with a meaning approximating to "effect/receive a distribution of *x*-number each".

The forming of distributive numerals appears as one of the uses of the the causative prefix in Oceanic languages.

8.1.4. The usage of the causative prefix *ka-* in the Oceanic Language Family.

Usage of prefix *ka-* in Marshallese:

jilu – three

kajjilu – to put in groups of three

aolep baaṃle rej kajjilu kijeer ek. All families get three fish each

[See https://www.trussel2.com/MOD/
Marshallese Online Dictionary adapted by Steve Trussel]

Usage of *ka-* prefix in Kiribati (in this case, a reduplicated form *kaka-*):

uo – two

a maekanaki auti akekei ni kakauoua te utuu – those houses are each occupied by two families

ten – three

a na nako ni kakateniman i aoni waaia – three persons each will go on their canoes

nimaua - five

a na anganaki kakanimaua te taaraa – they will be given five dollars each

Adapted from Groves, Terab'ata R. and Groves, Gordon W. and Jacobs, Roderick. Kiribatese:An Outline Description (1985)

8.1.5. Variants of the Causative Prefix *ka-*

The causative prefix *ka-* appears in a number of forms.

For ease of reference, the forms (simple and reduplicated) given by Kayser in his *Nauru Grammar* (pages 78 – 162) have been re-analyzed and each variant has been given a form number.

Table 6. Forms of Causative Prefix used in Distributive Numeral Series (after Kayser).

Form 1 (Base form)	Form 2 (Reduplicated Form 1)	Form 3 (Triplicated Form 1)	Form 4 (Partially Labialized Form)	Form 5 (Reduplicated Form 4)	Form 6 (Triplicated Form 4)	Form 7 (Fully Labialized Form)	Form 8 (Reduplicated Form 7)	Form 9 (Triplicated Form 7)
ka- with variant kat-	kaka- with variants katakat- and karakar-	katakatakat- and karakarakar-	qua- with variant qui-	quaqua- with variants quataquat- quataqua- quawa- quitaquit- quinuquin-	quaquaquat- with variants quataquataquat- quaraquaraquar-	wa- with variant wat-	watawat- with variant wataqu-	watawatawat- with variant watawataqu-

8.1.6. Extension of Usage of the Distributive Numeral to Ordinal Numeral regime.

From the days of the Christian missionaries in the late 19th century, the use of the *ka-* prefix has been expanded to include the ordinal numerals as Nauruan originally lacked an ordinal numeral set.

8.2. Classifiers.

The Classifiers are found both prefixed and suffixed – see Sections 14, 24, 25 below.

8.3. Demonstrative prefixes.

The demonstrative prefixes are used to form the demonstrative numerals:

1 . *ña-/nga-/ṅa-* , the Emphatic prefix

2. *min-* , the Non-Emphatic I prefix

3. *mũ-/mu-/mụ-*, the Non-Emphatic II prefix

The origins of demonstratives incorporating the numeral system would appear to be a late development in Nauruan, for it, along with the demonstratives incorporating both the numeral system and the classifier system, use a secondary set of spatial suffixes. The 'normal' set is *-ne, -na, -no*, but these use a secondary set, *-o̱e, -o̱a, -o̱o*.

9. Suffixes used with numeral roots.

There are a number of suffixes that can be attached to numeral roots.

9.1. *–n* Suffix

This suffix is seen in a number of environments.

The origin of the *-n* suffix may lie with the Construct Suffix *-in,* itself a reflex of the Proto-Micronesian construct particle **ni*, 'pertaining to, of '

9.1.1. *–n* Suffix with Classificatory Numeral Particle

-n is seen in the formation of the classificatory numeral particle:

a-ra-n classificatory numeral particle of classifier CL30, *ra*, denoting objects presenting a flat surface

a-mae-n classificatory numeral particle of classifier CL21, *mae*, denoting objects presenting a long, rigid aspect, etc.

9.1.2. *-n* Suffix with Thousands Numeral Particle.

-n Suffix is seen in the formation of the Thousands Numeral Particle,

e-ranga-n

The suffix is probably the same suffix found with the indefinite determiner series:

e-ra-*n* indefinite determiner of classifier CL30, *ra* , denoting objects presenting a flat surface

9.1.3. Underlying *–n* suffix in distributive numerals

An underlying *–n* suffix is posited in this study to explain the form *kat-* , which form is present when the causative prefix is used with the distributive numeral set. (See Section 25)

9.2 Tens Series Suffix *-ma*

The suffix used to form the tens series is *-ma*.

9.2.1. Tens Series Suffix *-mo*

A possible origin of the vowel sandhi seen with the Tens Series Suffix *–ma* may be that where the numeral root ended in *–u*, the *–a* of the suffix *–ma* was rounded to *–o*, resulting in *-mo* i.e.

a-iyu-ma > *aiyuma* > *aiyumo*, '30' (restricted to animate enumeration)

and its derived form for general enumeration:

an+a+iyu+ma > *anaiyuma* > *anaiyumo* > with syncope, *animo*, '30'

also

a-eiu-ma > *aeiuma* > *aeiumo* > with syncope, *aemo*, '70'

a-oiyu-ma > *aoiyuma* > *aoiyumo*, '80'

The numerals *aruma*, '20' (restricted to animate enumeration) and *adoma* do not seem to fit in with this analysis.

This may be explained by their derivation:

a- ro- ma *a - do - ma*

Only at a later stage in Nauruan did the syllable '*aro*' undergo a vowel change to '*aru'*, and this did not affect the Tens Suffix *-ma.*

9.3. Low Hundreds Series Suffix *-bu*

The Low Hundreds Series Suffix (100-400) is *-bu*.

9.4. High Hundreds Series Suffix -wer

The High Hundreds Series Suffix is *-wer/-war*

9.5. Function Vowel

There appear to be two function vowels present in the Nauruan numeral system.

(1) A high vowel suffixed to tens, hundreds and thousands

(2) The vowel 'o' prefixed to numerals

9.5.1. High Vowel Suffix

According to Kayser, when tens, hundreds and thousand vowel-final roots are used "adjectively and before the substantive" (NG69,70), a grammatical function vowel is added to the numeral stem, but the written evidence is ambiguous.

However, this grammatical function vowel is missing in compound numerals.

The high vowel is described by Kayser as:

i. where the stem final vowel is *–a* or *–o*, the grammatical function vowel is *e*

ii.where the stem final vowel is *–u*, the grammatical function vowel is *i*

Examples:

for i:

amma ‘forty’ > *amma + e > ammae*

aemo ‘seventy’ > *aemo + e > aemoe*

for i:

aijubu ‘three hundred’ > *aijubu + i > aijubui*

Further Examples:

1.

nan[7,8] õten ia[9] aijumoe[10]? Ge 18:30
UNR how COND thirty.ANIM+FV
how will it be if there are thirty people?

2.

Isaak õkiãõ[11,12] ean[13] eb ia[14], mo[15] o[12] kona bet katubui[16] ean[13] obweni ia[14] Ge 26:12
Isaac 3S.DEP+cultivate on+3S.POS land MED & 3S.DEP able also CAUS+hundred+FV on+3S.POS year MED
Isaac cultivated that land and gained also one hundred each by that land - in this case taken from the Distributive Numeral category.

3.

ama[12] memak ama[12] nan[7] quaraña[16] mo[15] katubui[16] aw[17] schekel in
1P.EXC.IND all 1P.EXC.DEP UNR CAUS+thousand &+3S.DEP CAUS+hundred+FV to+2S.OBJ shekel CONS
silber Judg 16:5
silver
we all, we shall effect a distribution of one thousand one hundred silver shekels each to you
[in this case taken from the Distributive Numeral category which will be discussed further on in this study]

4.

me omedomedo ura[12] ean[13] aibui eobweni Ac 7:6 1976
& oppress 3P.OBJ on+3S.POS one.hundred+FV AB+year
and oppress them for one hundred years
[mi inan õmamado ũra ean abu eobweni Ac 7:6]

5.

atae ngana[18] dabuk na (PC)
ten+FV E+MED.P book there
there are ten books / ten are those books there

9.5.2. *o* Function Vowel

Another Function Vowel is seen with the General Cardinal Numerals.

This relates to an optional vocalic syllable *o* which can precede the numeral.

Example:

6.
i ta[8,19]ñaeow ean[13] müaraoa[20] ingit[21] ring ngana[18] o aeoq,
only place on+3S.POS NEII+four+CL30+MED corner+CONS ring E+MED.P FV four
ngana[18] t[19] eij[12,22] gold Nuw 38:3
E +MED.P only 3S.IND gold
there were placed on those four corners four rings, which were golden

This function vowel is also present in an adverbial expression, this time being integral to the adverbial expression. The meaning is 'X by X', such as:

ion o ion, one by one, each one;

This also appears in a reduced form:

ion o

9.6. Spatial/Locational suffixes

There are two series of the spatial/locational suffixes:

Series I: *-ne/ -na/ -no*

Series II: *-oe/ -oa/ -oo* also spelt , -o̱e, -o̱a, -o̱o , *-we/ -wa/ -wo*

Series I is the 'normal' set, being associated with general demonstratives and locational adverbs.

Series II has a very limited usage, being found in the demonstratives incorporating the numeral system, along with the demonstratives incorporating both the numeral system and the classifier system pointing to a late development in Nauruan.

9.7. Applicative Suffix *–ei/-eij/-eiy*

The Applicative Suffix verbalizes a numeral.

Some definitions of applicatives suffixes in other languages are

'apply X to it'

see: Martin Haspelmath, Susanne Maria Michaelis and the APiCS Consortium. 2013. Applicative constructions. In: Michaelis, Susanne Maria & Maurer, Philippe & Haspelmath, Martin & Huber, Magnus (eds.) The atlas of pidgin and creole language structures. Oxford University Press. (see https://wals.info/chapter/109)

or

'have X-ness applied', 'be subjected (by)' (i.e. have X applied to ...)

see: Jukes, Anthony. 2019. A Grammar of Makasar page 306, in "Grammars and Sketches of the World's Languages Vol 10". Brill

Examples:

auju 'eight' + eij > aujueij 'make eight' , 'apply eight to it' NG173

ion 'one (round) object + eij > ioneij 'make one round object', 'apply a round object to it' NG173

ka- causative/distributive prefix + -n- > katon 'one each' NG173

katon + eij > katoneij 'make a single round object'. 'apply a round object to each' NG173

katon + eda + n > katotedan 'one each out of…' NG173

katotedan + eij > katotedaneij 'take from…by ones', 'apply one each out of it' NG173

katon + eda here undergoes denasalization giving *katoteda* , however the written evidence would indicate that denasalization of the final *-n* of a word followed by the directional suffix *–eda* did not occur consistently , e.g.

katakaton (reduplicated form) + eda > katakatoneda

9.8. Perfective Aspect Suffix *–en.*

The Perfective Aspect Suffix verbalizes a numeral.

Example:

7.
ngaga[23] gain nim aibuen mungana[18] an[24] obweni Ro 4:19 1 9 7 6
TEMP+MED [---] MOD one.hundred+PERF NEII+MED.P GPOS+3S.POS year
when he then might have been one hundred years of age
[ñag kaia aibu an obweni Ro 4:19]

9.9. Directional Suffixes

The numeral, once it has been transformed with verbal force, can then have directional suffixes added to it, these being:

DIR – *eow, iow* general directional

DIR1 – *(e)da/(i)da* upwards, out of, from

DIR2 – *(ä)du/(e)du* downwards, in, back

DIR3 – *ata* out, from within, upwards

DIR4 – *atu* in,downwards

DIR5 – *oda* steady movement forwards

DIR6 – *odu* steady movement backwards

DIR7 – *ruwei/ruweij/ruweiy* towards the speaker

DIR8 – *n* general directional

DIR9 – *w* general directional

DIR10 – *dan* out, outf, from

DIR11 – *dun* in, back, from

Example:

8.

amwam[25] õijõt eñame[26] katakatonedan[16] eat[13,27] arõeni n aũra[24] bagadugu
2P.DEP+MOD send AB+person CAUS+RED+one+DIR1+DIR8 on+3S.POS AB+tribe CONS GPO+3P.POS ancestor
memak Nu 13:2
all you should send one man each out of the tribes of all their forefathers

Here *katakatonedan* is derived as follows:

ka- causative/distributive prefix + *-n suffix* + *ion* one > *katon* 'one each'

katon + reduplicatIon > *katakaton* 'one each, repeatedly', or, 'one each of many actors/recipients'

katakaton + *eda* DIR1 > *katakatoneda* 'one each out of something, repeatedly'

katakatoneda + n DIR8 > *katakatonedan* 'one each out of something, repeatedly'

10. Cardinal Numeral

There are three sub-categories:

1. general cardinal numerals
2. animate cardinal numerals
3. classificatory cardinal numerals

11. General Cardinal Numeral

The General Cardinal Numerals are used enumerating and abstract counting as in calculations.

When the number of a word belonging to a Classifier is enumerated, or the number of a living being is enumerated, there is a limited set of special fused forms which will be detailed later.

Where there is no special fused form, the General Cardinal Numeral is used.

A variety of constructions are used when the numeral defines an animate or inanimate noun, the most frequent being:

Numeral + Noun

Less frequent, at least in the 1918 Bible, is

Noun + Numeral

Another frequent construction is:

Numeral + Relativizer + Noun

or

Noun + Relativizer + Numeral

The numeral may also be defined by a demonstrative.

There are a few anomalous constructions .

11.1. General Cardinal Numeral, low numerals 1 to 9.

Table 7. General Cardinal Numerals 1 to 9.

1	2	3	4	5	6	7	8	9
aiquen aiquön aikwen	aro	aiju aiyu	aeoq aeokw	aijimo aiyimo	año a̓o ango	aeiu aeu	aoju auju auiju aoiyu	ado

11.1.1. Notes on numerals 1-9

(1) The initial dipthongs *ai-/ae-* in the numeral system are usually pronounced /*e-/* in contemporary Nauruan – the Phonemic transcriptions are taken from Hughes 2020:271.

Examples:

1, aikwen > ekwen

3, aiju > e̪ju

5, aijimo > e̪jimʲo

7, aeiu > eiju

The only exception is:

4, aeoq/aeokw,

for which Hughes (2020:242) gives the phonetic result as */æe̪okʷ/*

(2) The initial dipthongs *au-/ao-* are usually pronounced /*o*/.

Examples:

8, auiju/aoiju > o̪ju

Phonemic transcription from Hughes 2020:271.

(3) Intervocalic *-j-/-y-* in the numerals (as elsewhere) is moving from a palatal glide /*j*/ towards a fricated allophone, [*e̪j*] in contemporary Nauruan.

Examples:

3, aiju > e̪ju

5, aijimo > e̪jimʲo

8, aoju > o̪ju

(4) in Kayser's *Nauru Grammar,* the forms for '5' are invariably written *–ijimeo*.

Kayser describes this "*e"* as a "fleeting slide vowel" (NG3).

Kayser here is describing a palatalized "*m*", which is part of the Nauruan phoneme inventory, and is written as '*mʲ*' in Hughes' study (Hughes 2020:15).

In this study, it is written as *–ijimo*.

(5) ‘7’ is spelt ‘aeu’ in *Nauru Grammar*.

However, it is spelt ‘aeiu’ in both the 1918 Bible and the 1976 New Testament.

Hughes phonemicizes it as [eiju] (Hughes 2020:271).

(6) ‘8’ is spelt ‘auiju’ in *Nauru Grammar*.

However, it is spelt ‘aoju’ in the 1918 Bible and ‘aoiyu’ in the 1976 New Testeament.

Hughes phonemicizes it as [o̯ju] (Hughes 2020:271)

11.1.2. Possible origin of General Cardinal Numeral for 1.

aiquen/aikwen, "one", may be a fossilized compound form, with a reflex of Proto-Oceanic "one" (variously reconstructed as *sa-kai, *kai, *tai), i.e.

*sa-kai > kai (loss of initial syllable) > ai (loss of initial consonant)

This was then prefixed with the Numeral Prefix *a-* , and an unanalysable fossilized element *quen/kwen* was added.

a- Numeral Prefix+ *ai*, one + *quen/kwen*, unanalysable element

'1' is spelt '*aiquön*' in Kayser's *Nauru Grammar*; it is spelt '*aiquen*' in the 1918 Bible and '*aikwen*' in the 1976 New Testament.

Hughes phonemicizes it as [ekwen] (Hughes 2020:271).

11.1.3. Overlap of Indefinite Determiner *ion*.

The general Indefinite Determiner *ion*, which is used for animate nous and nouns not assigned to a classifier (including those presenting roundness), may represent an earlier, general word for "one" , that is now used only as an Indefinite Determiner.

It retains the meaning "one" when verbalized, and in the distributive numeral system, as well as the adverbial expression *ion o ion* – one by one.

Hence the forms:

ion NG173 one round object

ioneij NG173 make one round object, apply roundness to it [*ion* + applicative suffix –*eij*/*-eiy*]

katon – one thing each, one person each < *ka-* causative prefix + *n* + *ion* (with denasalization and initial (non-syllabic) vowel loss processes found in Nauruan)

katoneij NG173 make each a single round object, apply roundness to each one < *katon* + –*eij*//*eiy* applicative suffix

11.1.4. Possible Origin of the General Cardinal Numeral for 4.

aeoq/aeokw, "four", may be a fossilized compound form, with a reflex of Proto-Oceanic "four" (reconstructed as *pat(i), i.e.

*pat >

> at (loss of initial consonant)

> a (loss of final syllable)

This was then prefixed with the Numeral Prefix *a-* , and an unanalysable fossilized element *eoq/eokw* was added.

a- Numeral Prefix+ *a*, four + *eoq/eokw*, unanalysable element

Hughes (2020:242,271) gives the phonetic result as /*æe̯okʷ*/.

11.1.5. Examples of General Cardinal Numeral Low Numerals.

9.
año imin ñana[18] Jehova emiowi: eh, aeiu õkõr imin ñan[18] e[12,28] eõ kona n aia Pr 6:16
six AB+thing E+MED.P Jehovah 3S.DEP+hate yes seven INTENS AB+thing E+P+ --- NEG able CONS see
six things that Jehovah hates: yes, truly, seven things that he cannot behold

10.
e[12,29] ãt iow ina eñame ion ñea[14] Āneas egen, ñea[14] ta mequõr ian wõn[30] bett
--- see DIR there AB+person INDF E+MED Aeneas name+3S.POS E+MED only lie in+3S.POS RPOS+3S.POS bed
ean[13] aoju eobweni bwe[35,46] e erereõda Ac 9:33
on+3S.POS eight AB+year for --- paralysed
he found there a man named Aeneas, who had lain in his bed for eight years because he was paralysed

11.
ita eediow ino engame ion ngea[14] Aeneas egen, ngea[14] orong me
only see+DIR yonder AB+person INDF E+MED Aeneas name+3S.POS E+MED 3S.DEP+paralysed &
ngea[14] oiyu n an[24] obweni n ta mamekwor Ac 9:33 1976
E+MED eight CONS GPOS+3S.POS year CONS only lie+RED
we found yonder a man named Aeneas, who was paralysed and who eight years of his continuously lying down

12.
ngona[32] ita oad engame re[12] timor eow ean[13], bwe ita[46] oiyu annit[21] engame
E+CL12[5]+MED only few AB+person 3P.DEP live DIR on+3S.POS for only eight soul+CONS AB+person
that craft a few people were saved by it, just eight human souls
1Pe 3:20 1976

13.
bita[14] eõ[29] nũñida, ñea[14] dedet[21] edetañ ñana[18] aeiu, ñana[18] wo[12] ãt iow ian beõ
NEIII+MED NEG expose E+MED manner+CONS AB+star E+MED.P seven E+MED.P 2S.DEP see DIR in+3S.POS hand+1S.POS
edamarũm, me lampen ñana[18] aeiu Re 1:20
right+2S.POS & lamps E+MED.P seven
that concealed matter, which is the manner of the seven stars, those ones you saw in my right hand, and the seven lamps

14.
mysterio ia[14] ngea[14] mysterion mungana[18] edetang o aeiu ñana[18]
mystery MED E+MED mystery+CONS NEII+MED.P AB+star FV seven E+MED.P[18]
wo[12] eediow ian beo me nuwawin mungana[18] telamp o aeiu
2S.DEP see+DIR in+3S.POS hand+1S.POS & concerning+3S.POS NE+MED.P lamp FV seven
ngaga [sic; ngana[18]] gold Re 1:20 1976
E+MEDP gold
concerning that mystery which is the mystery of the seven starts you saw in my hand and concerning the seven golden lamps

15.
aiju keõweõin gerste Re 6:6
three measure+CONS barley
three measures of barley

16.
aiyu kewewit barley Re 6:6 1976
three measure+CONS barley
three measures of barley

17.
opuduen aijimo Re 17:10
3S.fall+PERF five
five have already fallen

18.
puduen aiyimo Re 17:10 1976
fall+PERF five
five have already fallen

19.
aiquöten aürör[24] eöñ Nuw 55:6
one+PERF GPOS+3D.POS weep
their weeping was then (as) one

Examples of use for animate subjects where no special fused animate forms exist:

20.
iña ñabũna[33] ado? Lu 17:17
where E+ANIM.P+MED nine
where are those (other) nine men?

21.
ro[15] reita meg i ngabuna[33] ado inon? Lu 17:17 1976
3P.DEP PROG dwell where E+ANIM.P+MED nine some/others
where are those other nine?

22.
amwam[25] ij aeiu eñame atsin inimagemiã Ac 6:3
2P.DEP+MOD chose seven AB+person from+3S.POS among+2P.POS
choose seven men from among you

23.
mwa[12] iy ko engame aeiu engame atin inimagemie Ac 6:3 1976
2P.DEP chose COMM AB+person seven AB+person from+3S.POS among+2P.POS
chose seven men from among you

24.
emek ina aeiu eman ñabũna[33] ñaiñain Skeva Ac 19:14
3S.DEP+dwell there seven male E+ANIM.P+MED child+CONS+RED Sceva
there dwelt seven sons of Sceva

25.
ura[12] aeiu ngain amea[34] priest ogoda ngea jude, ngea Scevae egen Ac 19:14 1976
3P.IND seven child+CONS male+MED priest 3S.DEP+high E+MED jew E+MED Sceva name+3s
they were the seven sons of the high priest of the Jews, whose named was Sceva

26.
ñaeona[32] ã[35] õtsimor eñame ibũn eow ian, ñabũna[33] aoiju 1Pe 3:20
E+CL12[5]+MED 3S.DEP FAC+live AB+PERSON some DIR in+3S.POS E+ANIM.P+MED eight
that craft a few people were saved in it, those eight persons

11.1.6. Use of phrase *'aiquet erak'* for "the only one, alone"

The numeral for 'one' combines with the word '*erak*' to provide the expression of singularity of being, i.e. the only child of someone, or the only true God. The precise meaning of 'erak' has not been determined by the present writer, and in this study is assigned the portmanteau of 'sole'. The fact that 'aikwen' undergoes denasalization before '*erak*' would indicate it is a nominal rather than a verbal word in its origin, as denasalization does not occur before the 3rd Person Dependent Pronoun '*e*'.

Examples:

27.
ta añan[12] aiquet erak ñea õreñõ[11] inimagen wõn propheten Jehova 1Ki 18:22
only 1S.IND+PERF one sole E+MED 3S.DEP+remain among+3S.POS RPOS+3S.POS prophets Jehovah
I am now the only one who remains among the prophets of Jehovah

28.
mi ti[15] ijuwen añа[12] aiquet erak A[12] reñõ 1Ki 19:10
& only more+PERF 1S.IND one sole 1S.DEP remain
and there is now just I alone, I remain

29.
ãita[36] an ta[15] aiquet erak inen Ca 6:9
female+MED GPOS+3S.POS only one sole mother+3S.POS
she was the only one of her mother

30.
eko ion ia[9,37] omo bwe ita[46,15] aikwet erak ngea God Mark 10:18 1976
be.not INDF COND 3S.DEP+good for only one sole E+MED God
there is no one that is good except one alone, God

31.
ã[35] õbũ ion ñea eman iatũb, ñea an ta aiquet erak inen, me ãita[36]
3S.DEP carry INDF E+MED 3S.DEP+die+PERF LOC+grave E+MED GPOS+3S.POS only one sole mother+3S.POS & female+MED
ei[12] ãt[21,27] on ñea eman agen Lu 7:12
3S.IND female INDF E+MED 3S.DEP+die+PERF spouse+3S.POS
they were carrying one who was dead in a coffin, who was the only one of his mother, and she was a widower [lit. a woman whose husband was dead]

32.
eonuwaiw[38] gat[39]tuwet[21] engame ion eman, ngea aikwet erakin
3S.DEP+take corpse+CONS AB+person INDF 3S.DEP+PERF E+MED one sole+CONS
ngait[21] eita[36] innen, ngea et[21,27] on eman agen Lu 7:12 1976
child+CONS female+MED mother+3S.POS E+MED female INDF 3S.DEP+die+PERF spouse+3S.POS
they were taking the corpse of a man who had died, the only one of his mother, who was a widow [lit. a woman whose husband was dead]

33.

eko eñame ñea ogiten ãt Gott ia[9] ewõrin[40], bwi ta Ñain ñea aiquet erak,
be.not AB+person E+MED COMPL see God COND INDF+CL35[23] for only child+3S.POS E+MED one sole
ñea emamek in-õananot Etõñin, õ paten[21] John 1:18
E+MED 3S.DEP+dwell+RED LOC+breast+CONS father+3S.POS 3S.DEP speak.of+PERF
there is no-ne who has seen God even once except His Son who is the only one, the one who continually resided in the breast of his Father, he has spoken about Him

34.

eko ion ia[37] eed God ngago me ngago; amea Ngain ngea aikwet erak,
be.not INDF COND see God E+TEMP+DIST & E+TEMP+DIST male+MED child+3S.POS E+MED one sole
ngea emeg inbwaran amea Etongin, eiy ngea omeata nuwawin John 1:18 1976
E+MED 3S.DEP+dwell LOC+breast+3S.POS male+MED father+3S.POS 3S.IND E+MED show concerning+3S.POS
there is no one that has seen God ever in times past; His Son who is the only one, who is in the bosom of his Father, he is the one who has revealed concerning Him

35.

bwõ ũga kõr an Gott auwã eb[29,41] ñag E totow Ñain ñea aiquet erak John 3:16
for be.so INTENS GPOS+S.POS God love AB+land TEMP+ 3S.DEP give child+3S.POS E+MED one sole
for God's loving the word is such since He gave His Son, who is the only one

36.

ñaiune[14,42] itsimor ñea eko tokin, bwe[45] re nim tsietuw Gott ñea aiquet erak,
E+AUG+PROX AB+live E+MED be.not end+3S.POS for 3P.DEP MOD know+2S.OBJ God E+MED one sole
ñea iduwen, mi Jesu Kristo ñea Wo õijõn John 17:3
E+MED AB+true & Jesus Christ E+MED 2S.DEP send
this is the life that never ends, so that they should know you, God , the only one, who is true, and Jesus Christ whom you sent

37.

ämuin ko amea ñaim ñea aiquöt erak, ñea Isaac Nuw 13:1
call COMM male+MED child+2S.POS E+MED one sole E+MED Isaac
call your only son, Isaac

38.

tekeij innet[27] añamä ion iö auwä[8] bita ñain ñea oaiquöt erak,
like mother+CONS AB+person INDF COND love NEIII+MED child+3S.POS E+MED FV+one sole
öügan aeö auwä uw Nuw 56:5
be.so+PERF GPOS+1S.POS love 2S.OBJ
like a human mother when she loves her only child, so is my loving you

11.2. General Cardinal Numeral, tens

The following suffixes are used:

-ma/-mo for tens

Table 8: General Cardinal Numerals Tens.

10	20	30	40	50	60	70	80	90
ata	anarama anaramwa ararama anaruma	animo animwo	ama amma	aijima aiyima	añama angama aṅoma angoma angomwa	aemo aemwo	aoijumo aoiyumo aoiyumwo aojomo aujumo auijumo	aduma adumwa

Notes:

(1) See Notes to Table 7 and Section 9.2. In addition:

(2) A possible origin of the vowel sandhi seen with the tens suffix *–ma* may be that where the numeral root ended in *–u*, the *–a* of the suffix *–ma* was rounded to *–o*, resulting in *-mo* (progressive assimilation), i.e.:

an – a – iyu – ma > anaiyumo > anaiyimo > animo (by syncope), '20'

a-iyu-ma > *aiyumo*, '30' (animate enumeration)

a-eiu-ma > *aeiumo* > *aemo* (by syncope) '70'

a-oiyu-ma > *aoiyumo*, '80'

(3) According to Kayser, when tens, hundreds and thousand are used "adjectively and before the substantive" (NG69,70), a grammatical function vowel is added to numeral stem, but the written evidence is ambiguous.

However, this grammatical function vowel is missing in compound numerals.

Where the final vowel is -a and -o, the function vowel is /e/

Where the final vowel is –u, the grammatical function vowel is /i/

Examples:

ata 'ten' *> ata + e* *> atae*

aijubu 'three hundred' *> aijubu + i* *> aijubui*

Examples of General Cardinal Numeral Tens:

39.
ñaga aduma an obweni Enos Ge 5:9
TEMP+MED ninety GPOS+3S.POS year Enosh
when Enosh was ninety years old

40.
aibu ma aojomo ma aro Ge 5:28
hundred & eighty and two
one hundred and eighty two

41.
anarama gerah Ex 30:13
twenty gerah (Hebrew dry measure)

42.
re eouda añen[17,43] animo geld in silber Matt 26:15
3P.DEP pour.out to+VNI+PERF thirty coin CONS silver
they then weighed out to him thirty silver coins

43.
amebuna[33] re touda ea animo sikel Matt 26:15 1976
male+ANIM.P+MED 3P.DEP only+pour.out to thirty shekel
those men weighed out to him thirty shekels

44.
etiok aiyima am obweni me wo eedien[44] amea Abraham? John 8:57
PREI fifty GPOS+2S.POS year & 2S.DEP see+PERF male+MED Abraham
not yet fifty your years (of age) and you have already seen Abraham?/you are not yet fifty years old and yet you have already seen Abraham?

45.
rõ keweõei akebin, me re tsiet bwe[45] anarama gũñaen[46] Ac 27:28
3P.DEP measure deep+3S.POS & 3P.DEP know for twenty fathom+3S.POS
they measured its depth, and they understood that its fathoms [was] twenty

46.
re eedien ngana[54] anaramwa ikunga[46] akabin Acts 27:28 1976
3P.DEP see+PERF E+MED.P twenty AB+fathom deep+3S.POS
they then understood that its depth was twenty fathoms

Examples of use with animate subjects where no special fused animate forms exist:

47.
tsin ia[9] A ãt aijima eñame Gen 18:26
COND 1S.DEP see fifty AB+person
if I find fifty persons

48.
iruwin mũñane, Temoniba eij bet aemo eñame,
after+3S.POS NEII+PROX.P lord 3S.DEP+chose also seventy AB+person
mõ õijõn ũrañ[47] in karakarumen ian obwen Lu 10:1
& send 3P.OBJ+VNI CONS CAUS+RED+two.ANIM in+3S.POS front+3S.POS
after these things, the Lord chose also seventy men, and sent then in twos ahead of him

49.
re tik redo amebũna aemo iat idorodoro Lu 10:17
3P.DEP still return male+ANIM.P+MED seventy in+3S.POS AB+joy
those seventy men again returned in joy

50.
re eke ama-jema[48] amebũna Ac 23:13
3P.DEP make forty surplus male+ANIM.P+MED
those men numbered forty and some

51.
re eke amma emwa[48] emman ngabuna Ac 23:13 1976
3P.DEP make forty surplus AB+male E+ANIM.P+MED
those men numbered forty and some

11.2.1. Origin of the General Cardinal Numeral Form for 20.

the original form for '20' was retained only for animate enumeration.

Numeral Prefix *a-* + *ro*, two + *ma*, tens suffix > *aroma* > *aruma*

The Syllable *aro* underwent a vowel change at a later period, resulting in *aruma*.

A derived form was then adopted for '20' in the General Cardinal Numeral set:

Adverbial Prefix *an-* + *a-* Numeral Prefix + *ro*, two + *ma*, tens suffix > *anaroma* > *anarama*

anaroma underwent a vowel change due to progressive/regressive assimilation at a later period, to *anarama*.

Kayser also give a variant, *ararama,* due to regressive assimilation, *anarama* > *ararama*.

11.2.2. Origin of General Cardinal Numeral Form for 30.

The original form for '30' was retained only for animate enumeration.

Numeral Prefix *a-* + *iyu*, three + *ma*, tens suffix > *aiyuma* > *aiyumo*

and at some stage the tens suffix *-ma* underwent a vowel change due to progressive assimilation, resulting in *aiyumo*.

A derived form was then adopted for '30' in the General Cardinal Numeral set:

Adverbial Prefix *an-* + *a-* Numeral Prefix + *iyu*, three + *ma*, tens suffix > *anaiyuma* > *anaiyumo*

> *anaiyumo* through syncope

> *anaiyimo* through progressive assimilation

11.2.3. Origin of Animate Cardinal Numeral Form for 50.

The form for '50' appears to have undergone syncope, i.e.:

a-iyimo-ma > *aiyimoma* > *aiyima*, '50'

11.2.4. Origin of Animate Cardinal Numeral Form for 70.

The form for '70' appears to have undergone syncope, i.e.:

a-eiu-ma > *aeiumo* > *aemo*, '70'

11.2.5. Origin of Animate Cardinal Numeral Form for 90.

The original form for '90':

Numeral Prefix *a-* + *do*, 90 + *ma*, tens suffix > *adoma*

adoma at some stage underwent a vowel change, resulting in *aduma*.

The tens suffix *-ma* was then affected by progressive assimilation to *adumo*.

11.3. General Cardinal Numeral, hundreds

There are two suffixes

-*bu* for low hundreds (100-400)

-*war/-wer/uer* for high hundreds (500-900)

Table 9. General Cardinal Numerals Hundreds.

100	200	300	400	500	600	700	800	900
aibu	arobu	aijubu aiyubu aijibu	abu	aijimowar aijimouer aiyimower	añowar aṅouer angower	aewar aeuer aewer	aojuwar aujuer auyuwer	adawar adauer adawer

Notes:

(1) The combination –uer in Kayser's Nauru Grammar is here understood to represent -u̯er (u̯ being a non-syllabic semi-vowel). It is written –war in the 1918 Bible and -wer in the 1976 New Testament.

Examples of General Cardinal Numeral Hundreds:

52.
aojuwar Ge 5:4
eight hundred

53.
aijubu Ge 6:15
three hundred

54.
abu schekel Ge 23:15
four hundred shekels

55.
aijimowar ãma[48] 1Co 15:6
five hundred and some

56.
aiyimower emwa[48] 1Co 15:6 1976
five hundred and some

11.4. General Cardinal Numeral, Thousands.

The Nauruan word for 'thousand' is '*arañ̃a, aranga*', but with multiples of a 1000, it takes the form of an Indefinite Determiner, i.e.

e- + ranga + -n

In this study, *erangan* is referred to as the Thousands Numeral Particle.

There is some variation in the spelling of the Thousands Numeral Particle: In "Nuwawit testament obuä" (1915) – a translation of a German abbreviated Bible translated by Aloys Kayser – the spelling is '*earañ̃an*'. In Kayser's *Nauru Grammar* the spelling is both '*earaṅ̀an*' and '*araṅ̀an*'.

For the Thousands Numeral Particle see Section 11.4.2. below

Table 10. General Cardinal Numerals Thousands

1000	2000	3000	4000	5000	6000	7000	8000	9000
arañ̃a aranga araṅ̀a	aro erañ̃an aro erangan aro araṅ̀an	aiju erañ̃an aiyu erangan aiju araṅ̀an	aeoq erañ̃an aeokw erangan aeoq araṅ̀an	aijimo erañ̃an aiyimo erangan aijimo araṅ̀an	año erañ̃an ango erangan año araṅ̀an	aeiu erañ̃an aeu erangan aeu araṅ̀an	aoiju erañ̃an aoiyu erangan auiyu araṅ̀an	ado erañ̃an ado erangan ado araṅ̀an

and so on into the tens of thousands and hundreds of thousands.

Examples of use of 1000:

57.
araṅa me aeoq NG69
1000 & four
one thousand and four

58.
araña ma aewar ma aemo ma aijimo schekel, ñea schekel it[21] ewak
1000 & 700 & 70 & five shekels, E+MED shekels CONS AB+house
ñea ebwigaga Ex 38:25
E+MED 3S.DEP+holy+SUP
one thousand seven hundred and seventy-five shekels, the shekel of the holy house

59.
roin mũñan eretijũñ ñan õ kõñõn bwe[45] araña ma aewar schekel
weight+CONSs NEII+MED AB+ear.ring E+P+ 3S.DEP ask+COM for 1000 & 700 shekel
in gold Judg 8:26
CONS gold
the weight of the earrings that he requested as one thousand seven hundred shekels of gold

60.
David õgõg araña ma aewar amen gõr animwen pferde 2Sam 8:4
David hold 1000 & 7 0 0 men+CONS run atop+3S.POS horses
David seized one thousand seven hundred horsemen

61.
nan araña ma arobu ma aduma ibũm Dan 12:11
UNR 1000 & two.hundred & ninety AB+day
it will be one thousand two hundred and ninety days

62.
eagada a ibũm ñana araña ma aijubu ma animo ma aijimo Dan 12:12
reach to AB+day E+MED.P 1000 & three.hundred & thirt & five
it reaches to one thousand three hundred and thirty five days

63.
amiã ñabũna ã[35] auwã, amwaim eõ meijiõn bitune, bwi ta[45] tsitobo ibũm ibũmin[49] me
2P.IND E+ANIM.P+MED 3S.DEP love 2P.DEP+MOD NEG forget NEIII+PROX for only similar AB+day INDF+CL5[11] &
eobweni araña itũrit[39] Temoniba, me etsitobo araña eobweni mi ibũm ibũmin[49] 2Pe 3:8
AB+year 1000 by+3S.POS Lord & 3S.DEP+similar 1000 AB+year & AB+day INDF+CL5[11]
you who are loved, do not forget this thing, for just similar a day and 1000 years with the Lord, and 1000 years and a day (are)

64.
oquõrien[38,44] ean[13] araña eobweni Re 20:2
3S.DEP+bind+FV+PERF on+3S.POS 1000 AB+year
he was then bound for one thousand years

65.
me okwor[38] amea eat[13,21] obweni aranga Re 20:2 1976
& 3S.DEP+bind male+MED on+3S.POS AB+year 1000
and they bound him/he was bound for one thousand years

11.4.1. Anomalous examples.

Anomalous examples are also found:

66.
tin ia[9] engame ion omogur an uw ean[13] arangan ereen nanam,
COND AB+person INDF FAC+work+COM2+2S.OBJ on+3S.POS 1000 +CONS extend+3S.GER foot+2S.POS
me kan towepo a k o a m e a ea iuw aro erangan Matt 5:41 1976
& again go.along to COMM male+MED to more two NP+1000
if a man makes you to work upon something for one thousand (of) footsteps, go along with him again for two thousand more

67.
mwa eo meiyion ko ngeiyina[50] eiyin[51], amebuna kamie[52] a togit[53] auwe, ngana[54]
2P.DEP NEG forget COMM E+CL11[7]+MED INDF+CL11[5] male+ANIM.P+MED 2P.OBJ to end+CONS love E+MED.P
i tekeiy aibumwit[21,55] ibum erangat[21] obweni eow ian met[39] Demoniba,
like one+CL5 AB+day NP+1000 AB+year DIR in+3S.POS eye+CONS Lord
me erangat[27] obweni ibum oaibumwin[55] 2Pet 3:8 1976
& NP+1000 AB+year AB+day FV+one+CL11[5]
do not forget that saying, you whom I most love, that like one day is one thousand (of) years before the Lord, and one thousand (of) years is one day

11.4.2. Thousands Numeral Particle.

The Nauruan word for 'thousand' is '*arañ̃a, aranga*', but with multiples of a 1000, it takes the form of an Indefinite Determiner, i.e.

e- + ranga + -n

In this study, *erangan* is referred to as the Thousands Numeral Particle.

There is some variation in the spelling of the Thousands Numeral Particle: In "Nuwawit testament obuä" (1915) – a translation of a German, chronologically arranged, Bible story book translated by Aloys Kayser – the spelling is '*earañ̃an*'. In Kayser's *Nauru Grammar* the spelling is both '*earaṅan*' and '*araṅan*'.

The prefix *e-* may be related to the the same prefix found with the indefinite determiner series, and the suffix *-n* is probably the same suffix found with the indefinite determiner series (itself possibly a reflex of Proto-Micronesian **ni*, construct suffix, "pertaining to, of").

Examples:

68.
adauer me aduma me ado araṅan me adauer me aduma me ado NG69
900 & 90 & nine NP+1000 & 900 & 90 & nine
nine hundred and ninety nine thousand nine hundred and ninety-nine

69.
aibu me aṅoma m aro araṅan me abu me aujumo m aijimo NG69
one.hundred & sixty & two NP+1000 & 400 & 80 & five
one hundred and sixty two thousand four hundred and eighty-five

70.
me kan towepo a k o a m e a ea iuw aro erangan Matt 5:41 1976
& again go.along to COMM male+MED on+3S,POS more two NP+1000
if a man makes you to work upon something for one thousand (of) footsteps, go along with him again for two thousand more

71.
ñabũna rõ kõ brot, kaia aijimo erañ̃at[21] eman Mark 6:44
E+ANIM.P+MED 3P.DEP eat breat maybe five NP+1000 AB+male
those who ate the loaves were perhaps five thousand males

72.
re eke aiyimo erangat[21] emman ngabuna re yeiyi Mark 6:44[43] 1976
3P.DEP make five NP+1000 AB+male E+ANIMP+MED 3P.DEP eat
they numbered five thousand, those who ate

73.
atta me aro erangan stadia Rev 21:16 1976
ten & two NP+1000 stadia
twelve thousand stadia

74.
r ekä año earañat[21] emman Nuw 33:6
3P.DEP make six NP+1000 AB+male
they numbered six thousand males

11.4.3. Restriction on use of *aranga '1000'*.

Where "one thousand" is part of a larger compound, *araña/aranga* is not used, rather *aiquen/aikwen* followed by the Thousands Numeral Particle *erañan* is used (*aiquen* undergoes the usual denasalization of final *–n* before a high vowel); similarly, for multiples of a thousand, the Thousands Numeral Particle is used.

Examples:

75.
ama ma aiquet erañan ma aijimowar Num 1:41
forty & one NP+1000 & five.hundred
forty-one thousand five hundred

76.
aibu ma aijima ma aiquet erañan ma abu ma aijima Num 2:16
one.hundred & fifty & one NP+1000 & four.hundred & fifty
one hundred and fifty-one thousand four hundred and fifty

77.
añama ma aiquet erañat esel Num 31:34
sixty & one NP+1000 donkey
sixty-one thousand donkeys

11.5. Higher Numerals.

According to Kayser's *Nauru Grammar* (p. 68) and Hambruch's work on Nauru, the highest number employed in pre- colonial Nauru was a thousand thousands, i.e. a million; it appears with a number of spellings - *: araṅa earaṅan, araña erañan, araña earañan*.

At the time of writing, Kayser, in his *Grammar*, makes the observation that the loan word *mirion* had replaced *araña erañan*.

araña erañan occurs in several places in the 1918 Bible.

Examples:

78.
emek Israel memak araña erañan ma aibu erañat[21] eñame 1Chr 21:5
3s+dwell Israel all 1000 NP+1000 & one.hundred NP+1000 AB+person
all Israel were a thousand thousand and one hundred thousand (i.e. one million one hundred thousand) men

79.
araña erañan talent in silber 1Chr 22:14
1000 NP+1000 talent CONS silver
a thousand thousand (one million) silver talents

80.
wõn tar in ake ñea araña erañan ñamen 2Chr 14:9
RPOS+3S.POS assembly CONS fight E+MED 1000 NP+1000 m e n +3S.POS
his army (numbering) one thousand thousands (one million) men of his

11.5.1. Anomalous example.

The form found in Example 81 does not follow the usual pattern.

81.
wo nim ek'auwe inet[21] erañat[21] erañan Ge 24:60
2S.DEP MOD become+2S.IND mother+CONS 1000+CONS NP+1000
may you become mother to one thousand of thousands (one million)

11.6. Compound General Cardinal Numerals.

Between the tens, hundreds and thousands, compound numerals are used:

Table 11. Compound General Cardinal Numerals between 10 and 20

11	12	13	14	15	16	17	18	19
ata m aiquen	ata m aro	ata m aiju	ata m aeoq	ata m aijimo	ata m año	ata m aeiu	ata m aoju	ata m ado

Note

The vowel of "me" ("and") is usually elided before a following vowel. This is not reflected in most written sources, though in the 1918 Bible this is conveyed by the presence of a dummy vowel , so 'ata ma aro' etc.

Examples:

82.
ñaga aibu ma aojomo ma aeiu an obweni Methusala Gen 5:25
TEMP+MED one.hundred & eighty & seven GPOS+3S.POS year Methuselah
when Methuselah was one hundred and eighty-seven years of age

83.
ama ma aiquet[21] erañan ma aijimowar Num 1:41
forty & one NP+1000 & five.hundred
forty-one thousand five hundred

84.
aibu ma aojomo ma año erañan ma abu Num 2:9
one.hundred & eighty & six NP+1000 & four.hundred
one hundred and eighty six thousand four hundred

85.
aibu ma aijima ma aiquet[21] erañan ma abu ma aijima Num 2:16
one.hundred & fifty & one NP+1000 & four.hundred & fifty
one hundred and fifty-one thousand four hundred and fifty

86.
añama ma aiquet[21] erañat esel Num 31:34
sixty & one NP+1000 donkey
sixty-one thousand donkeys

87.
David õgõg araña ma aewar amen gõr animwen pferde 2Sam 8:4
David hold 1 0 0 0 & seven.hundred man+CONS run atop+3S.POS horses
David seized one thousand seven hundred horsemen

88.
adawar ma ama ma aijimo Ezr 2:8
nine.hundred & forty & five
nine hundred and forty-five

89.
ibwibwin Adonikam, añowar ma añama ma año Ezr 2:13
grand-child+RED+CONS Adonikam six hundred & sixty & six
the descendants of Adonikam, six hundred and sixty six

90.
araña ma aijubu ma animo ma aijimo Da 12:12
1000 & three.hundred & thirty & five
one thousand three hundred and thirty-five

91.
aijimo eara rõ kabaãt, ma aijimo rõ man Matt 25:2
five on+3P.POS 3P.DEP unwise & five 3P.DEP wise
five of them were unwise, and five were wise

92.
õdũen ei añowar ma añama ma año Rev 13:18
count+3S.GER 3S.INDs six.hundred & sixty & six
its number is six hundred and sixty-six

93.
angowen [sic;angonwer] me angomwa me ango eiy ngea kadaadin Rev 13:18 1976
six.hundred & sixty & six 3S.IND E+MED CAUS+count+RED+CONS
six hundred and sixty-six is its number

94.
aibu me amma me aeoq erangan Re 14:1
one.hundred & forty & four NP+1000
[one hundred and forty-four thousand

12. Animacy in Nauruan.

Animacy in the Nauruan numeral system and demonstrative system is indicated by a set of markers.

Kayser in his *Nauru Grammar* lists an animate classificatory group made up of several elements. However, in this study, the various elements of his animate classificatory group have not been included in the classificatory system as the set is defective in that their spread does not cover all the grammatical areas that the other classifiers do and his grouping is not formed from one, single base.

The following are the elements incorporated into numeral system and demonstrative system of Nauruan to indicate animacy:

Table 12. Elements Used to Identify Animacy in Nauruan Grammar.

Animate	Animate Plural	Male	Female
amen	bũn bun	amen	ãn en

12.1. The Animacy Marker *amen.*

From the above table (Table 12) it can be seen that the animacy marker *amen* is used both to indicate a general animate category as well as a specific male animate category.

Hodges in his study (Hodges 2020:264) relates *amen* to Proto-Micronesian *manu, 'living creature'.

Pohnpeian, Mokilese and Kiribati – all within the Micronesian Language Family - have a classifier -*men* which is used to count animate beings (see Rehg 1981:130,131; Harrison 1976:87; Lee & Timee 2019:27). Hodges (2020:264) phonemicizes *'(a)men*' as [-mjen].

In this study, when *amen* has this basic meaning it is glossed in the interlinear as 'ANIM' (Animate).

In this study I suggest that at a later stage of Nauruan, when *amen* had become fossilized in early fused forms denoting animacy, *amen* was re-analyzed to mean "male".

In its re-analyzed meaning of ‘male’, further developments occurred in the demonstratives and numeral system.

In this later stage of Nauruan, *amen* was prefixed to the pre-existing Animate Demonstrative Numerals to produce male-specific demonstrative numerals (Section 19), and in this re-analyzed sense *amen* is glossed in the interlinear in this study as ‘male’.

amen appears in the oft-used determiner phrase

‘*amen* + N or V’, ‘man for X, man associated with X’

In this study, *amen* + N or V is glossed in the interlinear as ‘male +CONS (Construct Suffix)’ .

It is suggested in this study that this later development took place at the same time that the Female Marker was incorporated into the demonstrative and numeral system.

13. Animate Cardinal Numerals.

The Animate Cardinal Numeral is used for the enumerating of humans (where the focus is not on gender) and other living creatures as well. As with other areas of Nauruan grammar, unless otherwise specified or evident from context, the default is male.

The Animate Cardinal Numeral set can be divided into two categories:

1. Animate Cardinal Numeral based on the Animacy Marker '*amen*' (see Section 12)

2. Animate Cardinal Numeral not based on the Animacy Marker

The Animate Cardinal Numerals based on the Animacy Marker '*amen*' are restricted to the numerals 2 to 4. These bear the 'normal' spatial suffixes (-ne, -na, -no).

The Animate Cardinal Numerals not based on the Animacy Marker '*amen*' take the second series of spatial suffixes (-o̱e, -o̱a, -o̱o) and are divided into two groups:

1. 20 and 30 are actually the original General Cardinal Numerals that became restricted to animacy uses
2. A suppletive form for ten

The General Cardinal Numerals are used where no specific Animate Cardinal Numeral exists.

Table 13. Distinctive Animate Cardinal Numerals.

Animate Cardinal Numerals (with defectives and suppletives)					
Two	Three	Four	Ten	Twenty	Thirty
arumen	aijimen aiyimen	amen	waea oäa, oea ◊	aruma	aijumo ayumo

Note:

◊ Nauruan Bible (1918) has *waea* as the form for 10 living beings; the spelling given in *Nauru Grammar* (pages 43,70) for 10 living beings is *oäa [wea]* , as it is (almost always) in *Testament Etimeduw 1976* [*oea*] – which translation is accredited to Kayser.

Examples (included are examples of the General Cardinal Numeral being used where there is no special Animate form in this set):

95.
öni kö eaṅama aijimen arumen[56] NG216
bring COMM AB+person three.ANIM two.ANIM
bring two or three persons

96.
aijimet[21,56] eñame arei ta weijo ian men Gen 18:2
three+ANIM AB+person 3T.DEP only stand in+3S.POS face+3S.POS
three men stood before her (context)

97.
nan õten ia aijumoe? Gen 18:30
UNR how COND thirty.ANIM+FV
how will it be if there are thirty people?

98.
nan õten ia aruma? Gen 18:30
UNR how COND twenty.ANIM
how will it be if there are twenty people?

99.
aijumo kamele ñan ouwak ren itin me ñaiũra me ama kũhe
thirty.ANIM camel E+P+ big juice+CONS breast+3S.POS & child+3P.POS & forty cow
me waea ochsen eoniñ aruma eselinen me waea ñaiũra Gen 32:15
& ten.ANIM oxen 3S.DEP+young twenty.ANIM she-donkeys & ten.ANIM child+3S.POS
thirty camels whose udder fluid was copious and their offspring and forty cows and ten young oxen, twenty she-donkeys and ten offspring of theirs

100.
Gideon emwin waea eñame atsin inimagen an tsiõ Judg 6:27
Gideon call ten.ANIM AB+person from+3S.POS among+3S.POS GPOS+3S.POS servant
Gideon called ten men from among his servants

101.
abi aijumo eñame astin inimagõra Judg 14:19
slay thirty.ANIM AB+person from+3S.POS among+3P.POS
he slew thirty men from among them

102.
ibwibwin Dan rõ õijõn aijimo [sic, aijumo] eñame atsin inimagen amen
grand-son+RED+CONS Dan 3P.DEP send thirty.ANIM AB+person from+3S.POS among+3S.POS male+CONS
bwiõra Judg 18:2
home+3P.POS
the descendants of Dan sent thirty men from among their kinsmen

103.
kaia aruma eñame 1Sam 14:14
perhaps twenty.ANIM AB+person
maybe twenty men

104.

Saul e nuawen ei me arumet[21] eñame itañin 1Sam 28:8
Saul 3S.DEP go+PERF 3S.IND & two.ANIM AB+person by+3S.POS
Saul then went on, he and two men along with him

105.

arumet[21] eñame iat[39] tekawa ion ñago 2Sam 12:1
two.ANIM AB+person in+3S.POS town INDF TEMP+DIST
there were previously two men in the town

106.

A ãt amet[21] eñame ñabũna ã[35] eõ quõr Dan 3:25
1S.DEP see four+ANIM AB+person E+ANIM.P+MED 3S.DEP NEG bind
I see four men who are unbound

107.

eñame ion ñago, ñea eimwi bwe[45] eñame arumen enim[38] oija
AB+person INDF TEMP+DIST E+MED straight for AB+person two.ANIM 3S.DEP+MOD give.to
wõn imin : ion eimwi bwe[45] enim[38] oija aijimowar denarii,
RPOS+3S.POS AB+thing INDF straight for 3S.DEP+MOD give.to five.hundred denarii
me ñea ion aijima Lu 7:41
& E+MED INDF fifty
way back there was a man, whom it was right that two men should be given his belongings, one whom it was right that he should be given five hundred denarii, and the other one fifty

108.

iruwin mungana me amea Demoniba iy yuw aemo me arumen me oiyon
after+3S.POS NEII+MED.P & male+MED lord chose more seventy & two+male & send
in karakarumen ngabuna, bwe[45] re nim od ian obwet[27]
CONS CAUS+two+male+RED E+ANIM.P+MED for 3P.DEP MOD pass.by in+3S.POS front+3S.POS
aeow iat dagawa Lu 10:1 1976
towards in+3S.POS town
after those things, the Lord chose seventy-two more men and sent them in twos in order to go ahead of him into the towns
[the Latin Vulgate text and its English translations was used for the 1976 New Testament, which gives '72' as the number sent out, whereas the 1918 Bible oldest Greek texts gives '70', which is reflected in the]

109.

ñag e metu iat[39] tekawa ion, waea lepros re ekowõñ ,
TEMP+MED 3S.DEP enter in+3S.POS village INDF ten.ANIM leper 3P.DEP meet.up.with
ñabũna ri ta weijo ogoeow Lu17:12
E+ANIM.P+MED 3P.DEP only stand afar
when he entered into a *certain* village, ten lepers meet up with him, those stading at a distance

110.

ngaga baiwong atangen meg emwarin[58] me ro ekowong oea amen
TEMP+MED reach place+CONS dwell INDF+CL23[22] & 3P.DEP meet.up.with ten.ANIM male+CONS
leper ngabuna ri ta oeiyo ina ogoeow Lu17:12 1976
leper E+ANIM.P+MED 3P.DEP only stand there afar
and when *they* reached a *certain* dwelling place, they met up with ten lepers, those standing at a distance

111.

adaga, re eo eke oea ngabuna re derederen ? Lu17:17
TAG 3P.DEP NEG act.as ten.ANIM E+ANIM.P+MED 3P.DEP be.clean+PERF
do they not number ten those ones *who* are now clean?

112.

adaga, deõ waea ñabũna ã[35] õdereder? Lu17:17 1976

TAG only+NEG ten.ANIM E+ANIM.P+MED 3S.DEP FAC+be.clean

are they not ten those ones *who* were made clean?

113.

amet[21] eñame itũrima ñabũna ã[35] quõrõn ũra votum ion Ac 21:23

four+ANIM AB+person by+1P.EXC.POS E+ANIM.P+MED 3S.DEP bind+COM 3P.DEP vow INDF

we have four men who have bound themselves with a vow

114.

bita imin etiritir ñea etsimine ñago, me ekeowen ñage,

NEIII+MED AB+thing 3S.DEP+wild E+MED 3S.DEP+exist TEMP+DIST & be.not+PERF TEMP+PROX

ei equaoju, me dañan ñabũna aeiu, mo o ñowen iat[21] ima.

3S.IND AB+CAUS+eight & companion+3S.POS E+ANIM.P+MED seven & 3S.DEP go+PERF in+3S.POS AB+die

mo oin ñana ata, ñana wo aia, ũra temoniba ñabũna waea,

& horn+3S.POS E+MED.P ten E+MED.P 2S.DEP see 3P.IND lord E+MED.P ten.ANIM

ñabũna re eitsiõk kona monibaiũra; mõ rõ õgõg waiora tekei temoniba,

E+ANIM.P+MED 3P.DEP PREIN able rule+3P.POS & 3P.DEP seize power+3P.POS like lord

mi ta aiquen stunde n aũra buõk in mwit anõg epo a bita imin

& only one hour CONS GPOS+3P.POS help CONS divide word together to NEIII+MED AB+thing

etiritir Re 17:11,12

3S.DEP+wild

the wild beast that in past times, and it now is no longer, it is the eighth, and the seven are his companions, and he has gone into death; and the ten horns that you saw, they are ten lords, the ones who have not yet gotten their rulership; and they receive their power as lords and for just an hour their assisting in judging together with the wild beast is for just one hour]

115.

mungana oin o ata mungana wo eet, uranget[21] iking oea Re 17:12 1976

NEII+MED.P horn+3S.POS FV ten NEII+MED.P 2S.DEP see 3P.IND+PERF AB+king ten.ANIM

those ten horns, those one you saw, they have now become ten kings

116.

aijimet[27] aṅamä areij rodu ubuiö NG216

three+ANIM AB+person 3D.DEP go.down home+1S.POS

three men came down to my home

117.

ama memak ama ñait[21] eñame ta aiquen Gen 42:11

1P.EXC.IND all 1P.EXC.IND child+CONS AB+person only one

all of us are sons of just one man

118.

ama ñait[21] eñame ñea ta aiquen Gen 42:13

1P.EXC.IND child+CONS AB+person E+MED only one

we are sons of just one man

119.

enimõ dũra eñame ñea ta aiquen me wo nan egirow a epo memak? Nu 16:22

3S.DEP+MOD sin AB+person E+MED only one & 2S.DEP UNR anger to congregation all

should one man sin, will you be angry with all the congregation?

120.

eñame ñea ta aiquen inimagemiã nan ededegeri araña Josh 1:10

AB+person E+MED only one among+2P.POS UNR follow+RED 1000

one man among you will chase one thousand

121.

A nan mek itũrũm õkõr me wo nan abi ibwibwin Midian,
1S.DEP UNR dwell by+2S.POS INTENS & 2S.DEP UNR slay grand-child+RED+CONS Midian
tekei abien aiquet[21] eñame Judg 6:16
like slay+3S.GER one AB+prson
I will truly be with you and you will slay the Midianites, like the slaying of one man

122.

eñame memak re eogoda tekei eñame ñea ta aiquen Judg 20:8
AB+person all 3P.DEP rise like AB+person E+MED only one
all the people rose as one man

123.

ro quõr bũriõũra tekei eñame ñea ta aiquen Judg 20:11
3P.DEP bind innards+3P.POS like AB+person E+MED only one
they bound their hearts as one man/they were united as one man

124.

ma amebũna waea ma aoju ñabũna turris in Siloa emeiwedu a ũra,
& male+ANIM.P+MED ten.ANIM & eight E+ANIM.P+MED tower CONS Siloa 3S.DEP+fall.down to 3P.OBJ
ma abi ũra, õten, amwa nimen…? Lu 13:4
& kill 3P.OBJ TAG 2P.DEP consider
and those eighteen persons (ten persons and eight) those ones the tower of Siloa collapsed on them and killed them, how do you reckon it…?

125.

ogen, etimine ngago engame aeiu ngabuna re eidini[59] Lu20:29 1976
finish+PERF 3S.DEP+exist TEMP+DIST AB+person seven E+ANIM.P+MED 3P.DEP sibling+MUT
so, in the past there were seven men who were brothers

126.

an ore eow eat[21] eb idura eow eat[21] engame o aikwen
GPOS+3S.POS come DIR on+3S.POS AB+land AB+sin DIR on+3S.POS AB+person FV one
me bita ima eow ean dura ia[14] Ro 5:12 1976
& NEIII+MED AB+die DIR on+3S.POS sin MED
the coming to earth of sin through one man/sins coming to earth through one man and death through sin

127.

mwa eo kamarareiy wong ngana[54] omo a kamie eken[61] ia ema engame aikwen
2P.DEP NEG think+APPL SUCC E+MED.P 3S.DEP+good to 2P.OBJ INDF+CL20[21] COND 3S.DEP+die AB+person one
bwe dogit[21,45] engame ngabuna ebwak John 11:50 1976
for reason+3S.POS AB+person E+ANIM.P+MED many
you do not think through that it is better for you if one man dies for many men

128.

dañan ñabũna aeiu Re 17:11,12
c ompanion+3S.POS E+ANIM.P+MED seven
the seven are his companions

129.

epo memak re epode tekei aiquet[21] eñame Judg 20:1
congegation all 3P.DEP gather.together like one AB+person
the whole congregation was gathered as one man

13.1. Animate Cardinal Numeral – male restriction.

The Animate Cardinal Numeral can be further associated to a particular gender by the noun phrase it forms part of.

Examples where those enumerated are specifically male:

130.
Noa õrig aijimen ñait[21] eman Gen 6:10
Noah 3S.DEP+create three+ANIM child+3S.POS AB+male
Noah begat three sons

131.
arumen ñait[21] eman Gen10:25
two+ANIM child+3S.POS AB+male
his two sons

132.
ñain arumet[21] eman Ru1:1
child+3S.POS two+ANIM AB+male
his two sons

133.
ã[35] eredu eken ea amebũna aijumo, me e eõ roga a
3S.DEP honour INDF+CL20[21] to male+ANIM.P+MED thirty.ANIM & --- NEG go.up to
kaganadon ameitsimeno[60] amo 2Sam 23:23
important+CONS male+three+DIST first
they honoured him more than those thirty men, but he did not attain to the importance of those first three men

134.
Asahel ñea etsin Joab, ei ion inimagen amebũna aijumo 2Sam 23:24
Asahel E+MED sibling+CONS Joab 3S.IND INDF among+3S.POS male+ANIM.P+MED thity.ANIM
Asahel who was Joab's brother, he was one from among those thirty men

135.
redon amebuna aemo me arumen me re eibogi Lu 10:17 1976
return+PERF male+ANIM.P+MED seventy & two.ANIM & 3P.DEP rejoice
those seventy-two men then returned and they rejoiced
[1976 New Testament used the Latin Vulgate text and its English translations which gives '72' as the number sent out, whereas the oldest Greek texts gives '70', which is reflected in the 1918 Bible, as the protestant missionaries did not use the Vulgate as their master text]

136.
ma amebũna waea ma aoju ñabũna turris in Siloa emeiwedu a ũra,
& male+ANIM.P+MED ten.ANIM & eight E+ANIM.P+MED tower CONS Siloa 3S.DEP+fall.down to 3P.OBJ
ma abi ũra, õten, amwa nimen…? Lu 13:4
& kill 3P.OBJ TAG 2P.DEP consider
and those eighteen men, those ones the tower of Siloam collapsed on them and killed them, how do you reckon it…?

13.2. Animate Cardinal Numeral – female restriction.

The Animate Cardinal Numeral can be further associated to a particular gender by the noun phrase it forms part of.

Examples where those enumerated are specifically female:

137.
arumet[27] oniñ in än NG8
two.ANIM young CONS female
two girls

138.
waea ãn ri nan omwin õañamiã brot iat[21] om ñea ta aiquen Lev 26:26
ten.ANIM female 3P.DEP UNR bake content+2P.POS bread in+3S.POS AB+ oven E+MED only one
ten women will bake their loaves in just one oven

139.
aijimen ñait[21] ãn Job 42:13
three.ANIM child+3S.POS female
three daughters

140.
arumet[21] ãn ñago ñarumena ñait[21] ãn ñea ta aiquen Eze 23:2
two+ANIM female TEMP+DIST E+two.ANIM+MED child+CONS female E+MED only one
there were in the past two women who were daughters of just one woman]

141.
emeta arumet[21] ãn Zec 5:9
3S.DEP+come.out two.ANIM female
two women came out

142.
arumet[21] ãn ar kararõ ean bait[21] ekararõ Matt 24:41
two+ANIM femae 2D.DEP grind on+3S.POS object+CONS AB+grind
two women were grinding with their object for grinding

143.
inan kararo eow iat eoag in kararo en arumen Matt 24:41 1976
UNR grind DIR in+3S.POS AB+house CONS grind female two.ANIM
two women will be grinding in the grinding house

144.
monibain ian oeron inan didobo a oea eoning in et[39] dedemaro
rule+3s in+3S.POs cloud UNR similar to ten.ANIM AB+small CONS female youth
Matt 25:1 1976
the kingdom of the heavens will be similar to ten young girls

145.
mi nan arumet[21] ãn ar õreita nabo n buõk aũrõr makur in kararõ Lu 17:35
& UNR two+ANIM female 2D.DEP PROG --- CONS help GPOS+3D.POS work CONS grind
there will be two women assisting each other in their grinding work

146.
inan epo kararo en arumen Lu 17:35 1976
UNR gather.together CAUS+ grind female two+ANIM
two women will be gathered to grindrigin of Animate Cardinal Numeral Form for 2.

13.3. Origin of Animate Cardinal Numeral Form for 2.

The origin of the form for 'two humans, two animate creatures' would appear to be:

Numeral Prefix a- + *ro* "two" + *amen* 'living creature, human' > *aromen* > *arumen*

13.4. Origin of Animate Cardinal Numeral Form for 3.

The origin of the form for 'three humans, three animate creatures' would appear to be:

Numeral Prefix *a-* + *iyu* "three" + *amen* 'living creature, human' > *aiyumen* > *aiyimen*

I am unable to account for the vowel sandhi, other than progressive assimilation.

13.5. Origin of Animate Cardinal Number Form for 4.

The origin of the form for 'four humans, four living creatures' would appear to be:

Numeral Prefix *a* + *a* "four" + *amen* 'living creature, human' > *a+a+amen* > *amen*

through vowel syncope.

13.6. Origin of Animate Cardinal Numeral Form for 10.

There is a unique animate form for ten – the 1918 Bible uses the spelling *waea* for the form for 10 living beings; spelling given in *Nauru Grammar* (1936:43,70) for 10 living beings is *oäa* as it is (almost always) in *Testament Etimeduw 1976* [*oea*] – which translation is accredited to Kayser. Its origins are unexplained.

oä/oe used by Kayser appears to be a digraph to represent the non-syllabic semi-vowel [o̯] followed by [*e*]. The semi-vowel [o̯] is represented by [*w*] in the 1918 Bible – hence, *oag/o̯ag*, 'house' is spelt *wak*, *oereri*/*o̯ereri*, 'learn' is spelt *wereri*.

13.7. Origin of Animate Cardinal Numeral Form for 20.

The form for 'twenty humans, twenty living creatures' is, in fact, the original form for '20' in the General Cardinal Numeral set.

Numeral Prefix *a-* + *ro*, two + *ma*, tens suffix

> *aroma*

> *aruma*

aroma was retained only for animate enumeration, and underwent a vowel change at a later period, to *aruma*.

13.8. Origin of Animate Cardinal Numeral Form for 30.

The form for 'thirty humans, thirty living creatures' is, in fact, the original form for '30' in the General Cardinal Numeral set.

Numeral Prefix *a-* + *iyu*, three + *ma*, tens suffix

> *aiyuma*

> *aiyumo*

aiyuma was retained only for animate enumeration, and at some stage the tens suffix *-ma* underwent a vowel change due to progressive assimilation, resulting in *aiyumo*.

13.9. Restriction on Usage of Animate Cardinal Numerals for 10, 20 & 30.

The Animate Cardinal Numerals for 10, 20 and 30 are not used in compounds of thousands, rather, the forms of the General Cardinal Numeral series, *ata, anarama* and *animo*, are used:

Examples:

147.
aibu inimagemiã nan edegeri ata erañan Le 26:8
one.hundred among+2P.POS UNR chase ten NP+1000
one hundred among you will chase ten thousand

148.
adag eõ kamadauniñ ia aiquet[21] eñame ededegeri araña me arumen
TAG NEG amaze COND one AB+person follow+RED 1000 & two.ANIM
õmamũr ata erañan Deu 32:30
make.flee ten NP+1000
does it not amaze if one man chases off one thousand others and two men make ten thousand to flee

149.
ñabũna ã[35] õdũ atsin inimagõra ñabũna earõen Manasse,
E+ANIM.P+MED 3S.DEP count from+3S.POS among+3P.POS E+ANIM.P+MED AB+ tribe+CONS Manasse
re eke animo ma aro erañan ma arobu Num 1:35
3P.DEP make thirty & two NP+ 1000 & two.hundred
those counted from among the tribe of Manasse, they numbered 32,200

150.
ñabũna aiquen aũra maram me ñabũna eñab ken[62],
E+ANIM.P+MED one GPOS+3P.POS month & E+ANIM.P+MED 3S.DEP+old INDF+CL20[21]
re eke anarama ma aro erañan Num 3:39
3P.DEP make twenty & two NP+1000
those ones one month old and those ones older, they numbered twenty two thousand

151.
re eke anarama ma aro erañan ma arobu ma aemo ma aijimen Num 3:43
3P.DEP make twenty & two NP+1000 & two.hundred & seventy & three.ANIM
they numbered twenty two thousand two hundred and seventy three men

152.
ñabũna re ma eow ean arak ia re eke anarama ma aeoq erañan Num 25:9
E+ANIM.P+MED 3P.DEP die DIR on+3S.POS ill MED 3P.DEP make twenty & four N P + 1000
those dying by that sickness numbered twenty-four thousand

153.
ñabũna ã[35] õdũ atsin inimagõra re eke anarama ma aiju erañan Num 26:62
E+ANIM.P+MED 3S.POS count from+3S.POS among+3P.POS 3P.DEP make twenty & three NP+1000
those ones who were counted from among them numbered twenty-three thousand

154.
Abisai ñea ñain Zeruja abi ata ma aoju erañat[27] atsin inimaget[21]
Abishai E+MED child+CONS Zeruiah slay ten & eight NP+1000 from+3S.POS among+3P.POS
ibwibwin Edom 1Chr 18:12
grand-child+RED+CONS Edom
Abishai the son of Zeruiah slew eighteen thousand from among the descendants of Edom

155.
animo erañan atebin mũñana schafe me ziegen 2Chr 35:7
thirty N P + 1000 numbe+CONS NEII+MED.P sheep & goats
thirty thousand the number of those sheep and goats

156.
eman anaramwa me aiyu erangan eara ean ta aibumin[55] 1Cor 10:8
3s+die+PERF twenty & three NP+1000 on+3P.POS on+3S.POS only one+CL5[11]
[twenty-three thousand of them died on just one day

157.
öügan ngabuna me kaija anaruma m aiju earangat[27] angamä
be.so+PERF E+ANIM.P+MED & maybe twenty & three NP+1000 AB+person
ngabuna r eman ean ngabumina[63] Nuw 37:4
E+ANIM.P+MED 3P.DEP die+PERF on+3S.POS E+CL5[11]+MED
so it was for those ones, perhaps twenty-three thousand people, those ones dying on that day

13.10. Use of Animate Cardinal Numerals for other living creatures.

The Animate Cardinal Numerals are used for the enumerating of humans, regardless of gender, and other living creatures as well.

Kayser (NG70) observes that the Animate Cardinal Numerals are used for

> "mammals and such things as are in constant contact with the Natives or play an important role in their daily life".

This usage is in contemporary Nauruan is unclear.

Examples from Kayser (NG8, 70):

158.
oäa tomo
ten.ANIM chicken

159.
arumen iti
two.ANIM frigatebird

160.
emor aruma
flying-fish twenty.ANIM

161.
ibia aijimen
lagoon fish (milkfish) three.ANIM

Other examples:

162.
arobu ziegen me aruma bõcke Gen 32:14
two.hundred she-goats & twenty.ANIM he-goats
two hundred she-goats and twenty he-goats

163.
ta aijimo brot itũrima ine ma arumet[21] iũ Matt 14:17
only five bread by+1P.EXC.POS here & two.ANIM fish
we have here only five loaves and two fish

164.
e barũ brot ñana aijimo mi iũ ñana arumen Matt 14:19 e
3S.DEP take bread E+MED.P five & fish E+MED.P two.ANIM
he took five loaves and two fish

165.
A ãt Lamm ion ijugagait[39] tron me mũñan etsimor ñana amen Re 5:6
1s see lamb INDF between+3S.POS throne & NEII+P+ 3S.DEP+exist E+MED.P four.ANIM
I saw a lamb between the throne and the four living creatures

13.11. Compound Animate Cardinal Numerals.

In compound animate cardinal numerals, where there is no special animate numeral, the general cardinal numeral is used.

Examples:

166.
aro erañan ma aojuwar ma waea ma arumen Ezr 2:6
two NP+1000 & eight.hundred & ten+ANIM & two+ANIM
two thousand eight hundred and twelve people

167.
araña ma arobu ma aijima ma amen Ezr 2:31
thousand & two.hundred & fifty & four+ANIM
one thousand two hundred and fifty-four people

168.
ñabũna Nethimin mi ibwibwin an tsiõ Solomon bwe[45] aijubu
E+ANIM.P+MED Nethinim & grand-child+RED+CONS GPOS+3S.POS servant Solomon for three.hundred
ma aduma ma arumen Neh 7:60
& ninety & two.ANIM
those Nethinim and the descendants of the servants of Solomon as three hundred and ninety-two men

169.
ñag eorata, e[29] emwin ran an kereri me e ij õekae
TEMP+MED break.day --- call branch+CONS GPOS+3S.POS CAUS+teach & 3S.DEP choose FAC+separate
waea ma arumet[27] atsin inimagõra Lu 6:13
ten.ANIM & two.ANIM from+3S.POS among+3P.POS
when day had broken, he called his disciples and chose to make separate twelve from among them

170.
ngaga eorata me emwin ngabuna ran an kereri me iy oea me
TEMP+MED break.day & cal E+ANIMP+MED branch+CONS GPOS+3S.POS CAUS+teach & choose ten.ANIM &
arumen eara Lu 6:13 1976
two.ANIM on+3P.POS
when day had broken he called those men, his disciples, and chose twelve of them

171.
iruwin mungana me amea Demoniba iy yuw aemo me arumen
after+3S.POS NEII+MED.P & male+MED lord chose more seventy & two.ANIM
me oiyon in karakarumen ngabuna Luke 10:1 1976
& send CONS CAUS+two.ANIM+RED E+ANIM.P+MED
after those things the Lord chose seventy-two men and sent those ones out in twos
[1976 New Testament used the Latin Vulgate text and its English translations which gives '72' as the number sent out, whereas the oldest Greek texts gives '70', which is reflected in the 1918 Bible, as the protestant missionaries did not use the Vulgate as their master text]

172.
redon amebuna aemo me arumen me re eibogi Lu 10:17 1976
return+PERF male+ANIM.P+MED seventy & two+ANIM & 3P.DEP rejoice
those seventy-two men then returned and they rejoiced
[1976 New Testament used the Latin Vulgate text and its English translations which gives '72' as the number sent out, whereas the oldest Greek texts gives '70', which is reflected in the 1918 Bible, as the protestant missionaries did not use the Vulgate as their master text]

173.

adaga, eo iy kamie ia mwa eke oea me arumen? John 6:70 1976
TAG NEG chose 2pOBJ COND 2P.DEP act.as ten.ANIM & two.ANIM
did *I* not choose you when you became the twelve?

174.

mõ õ[30] õrai añõgen Judas ñea ñain Simon Ischariot
& --- utter word+CONS Judas E+MED child+CONS Simon Ischariot
bwe[45] ei ñea inimagen waea ma arumen ñea nan ijimeãn John 6:71
for 3S.IND E+MED among+3S.POS ten.ANIM & two.ANIM E+MED UNR betray
and he spoke about Judas the son of Simon Ischariot for he who is among the twelve is the one who will betray (*me*)

175.

o ururedu ibũ bita iw ñea oquen iat[21] iũ ñan ouwak,
3S.DEP haul.up ashore NEIII+MED net E+MED 3S.DEP+full in+3S.POS AB+fish E+P+ big
ñana aibu m aijima ma aijimen John 21:11
E+MED.P one.hundred & fifty & three.ANIM
he hauled up on to the shore the net which was full of large fish, which were one hundred and fifty three (living cratures)

176.

kaiya re eke aibu me arumwa ngabuna re epwepwo ina Ac 1:15 1976
maybe 3P.DEP make one.hundred & twenty.ANIM E+ANIM.P+MED 3P.DEP together+RED there
they numbered maybe one hundred and twenty, those ones gathered together there

177.

oea me arumet[21] engel animwen mungana met[27] oror Re 21:12 1976
ten.ANIM & two.ANIM angel atop+3S.POS NEII+MED.P eye+CONS AB+partition
twelve angels atop those gates

13.12. Special uses of Animate Cardinal Numerals.

Other special uses of the animate cardinal numerals given by Kayser (NG70) are:

Use of 10, 20, and 30 Animate Carinal Numerals for lengths of coir yarn, *igüña*

Use of 10, 20, and 30 Animate Cardinal Numerals for the Pandanus

13.13. *oaäe* Animate Cardinal Numeral

Kayser (NG70) gives a unique cardinal numeral for twenty lagoon fish (milkfish):

oaäe (*waee*)

13.14. Verbalization of Animate Cardinal Numerals.

As with the other numeral series, the Animate Cardinal Numerals can be verbalized.

Example:

178.
tuk oiyon ion ekae me aiyimeten[21] Lu 20:12 1 9 7 6
still send INDF different & three.ANIM+PERF
again he sent someone different, it was already three men

14. Classificatory Cardinal Numerals.

It is generally believed by researchers into the pre-history of Austronesian languages that some form of noun-class system was used in the Proto-Austronesian parent language – and hence, also, in Proto-Oceanic (see Tryon 1995:37).

Nauruan, as with other Micronesian languages, would have inherited one or more noun-class indicators from Proto-Oceanic via Proto-Micronesian.

David Gil makes this definition of "classifiers" (David Gil. 2013. Numeral Classifiers http://wals.info/chapter/55, Accessed on 2023-02-11):

"…divide the inventory of count nouns into semantic classes, each of which is associated with a different classifier."

The Nauruan language, at the point of the German incorporation of Nauru into the German Empire (1888 onwards), had developed a classificatory system dividing countable objects into over 30 "classifiers".

In Nauruan, a number of the classifiers show a transparent link to noun roots indicating the historical relationship between classifiers and actual objects.

The Nauruan language prior to German annexation seems to have gone further than other Micronesian languages by incorporating the classifier system into not just the numeral system where it originated, but also into the demonstrative system and the Indefinite Pronoun , and Quantum Interrogative Adverb and Distributive Numeral system.

The oldest form of classificatory numeral is seen in the fusing of numeral and classifier elements (restricted to low numerals 1 - 4).

A later development, for numerals above 5, was by the use of a classificatory numeral particle - incorporating the classifier - followed by the counting numeral.

Since the last century, the Nauruan way of life has changed totally, so many of the classifiers that had been associated with cultural elements of Nauruan life have dissapeared as those elements of Nauruan cultural life have ceased.

Johnson makes the following remark:

"Referring specifically to nominal classification as described by Kayser, Bender (1971 :438) states: 'George Pittman, who was Director of Education on Nauru for a number of years ..., reports that the present-day language of the younger generation has dropped much of this elaborate apparatus.' " (Johnson 2002:159)

Interestingly, Rehg proposes a second viewpoint on the classifier regime, specifically addressing the situation in Pohnpeian , when he states:

"Many speakers of Ponapean [Pohnpeian] have...expressed concern that the rich system of numeral classifiers is in a state of decay and that many counting systems are in danger of being lost from the language. This danger may be real, but it is probably overestimated. It seems quite likely that many numeral classifiers have never been commonly employed. At the present time, some classifiers are so restricted in their usage that they may be employed with only a few nouns, while others are generally found only in formal speech or in poetic language. This situation may always have been true. The ability to accurately employ some of the rarer classifiers is now, and may always have been, the mark of an individual who has a better than average command of the language. Thus, the concern that the elaborate numeral classifier system of Ponapean is being reduced to a few common classifiers may not be well founded." (Rehg 1981:137)

In her 2002 work, Johnson found that of her seven respondents, only the two oldest respondents maintained some usage of the classifiers as described by Kayser and Hambruch in the early colonial period.

People of faith who make use of the 1918 Bible and 1976 New Testament will have been exposed to the pre-colonial classificatory system.

Much of the information has been adapted from Kayser's *Nauru Grammar,* pages 69–74 as the written record has few recordings.

There is extensive vowel sandhi in the numeral series (general, animate, classificatory and distributive) , most of which I am unable to account for.

14.1. Outline of Nauruan Classifiers.

Twenty-six "Wortkategorien" were identified in the work "*Die Sprache von Nauru*" , which is found in Hambruch's 1914 work on Nauru (Volume 2, p. 29-30) and a separate printing of 1914. This grammatical sketch is said to be an edited version of a manuscript grammar of Nauruan written by the missionary Phillip A. Delaporte (see Rensch 1993, p. VII).

The "Wortkategorien" are as follows - with the Classifier number as used in this study in italics:

Einer, Zahladverbium, Zahladjektiv [One, number adverb, number adjective] *Not counted as a Classifier* – adverbial prefix	a (?)
Zehner [tens] *Not counted as a Classifier* – decades suffix	ma
Hunderter [hundreds] *Not counted as a Classifier* – low hundreds suffix	bu
Tausender [thousands] *Not counted as a Classifier* – word for thousand	ŗaṅa
Lebende Wesen, einzeln gezählt [living beings individually counted] *Not counted as a Classifier in this study*	měn
Gruppen lebender Wesen, Familien, Sippen, Fisch-, Vogel- schwärme [groups of living beings, families, clans, schools of fish, swarms of birds] *Classifier 26*	ṅe (?)
Pflanzen, Blumen, Bäume, Sträucher (fruchttragend) [plants, flowers, trees, fruit-bearing shrubs] *Classifier 27*	uę́ (?)
Boote, große Eß schüsseln mit Inhalt [boats, large bowls with contents] *Classifier 12*	ē (?)
Trinkschalen, kleine Eßschüsseln [drinking bowls, small bowls] *Classifier 36*	ūr̄
Matten, Messer, leere Trinkschalen [mats, knives, empty drinking bowls] *Classifier 30*	ra (?)

Matten mit Fischen gefüllt
[mats full of fish] nī
Classifier 17

Blätter, Federn
[leaves, feathers] ri
Classifier 18

Abgewickelte Streifen (z.B. von Tabak), Oktopusfüße
[unwound tobacco ropes, octopus tentacles] uā (?)
Classifier 33

Kränze, Ketten, Schnüre
[garlands, chains, string] muę
Classifier *24*

Lange, große Gegenstände
[long, large objects] mai͡
Classifier 21

Quergeteilte Stücke
[timber cut crossways] boṅo
Classifier 2

Längsgeteilte Stücke
[timber cut lengthways] a͡i
Classifier 1

Beliebig zerteilte, zerbrochene Stücke
(Tabak, Lansparzellen)
[part-cut, broken-up pieces like tobacco, parcels of land] muāři
Classifier 23

Bündel, natürliche (Kokosnuß, Bananen)
[naturally occurring bundles like coconuts and bananas] mē (?)
Classifier 24

Bündel, künstliche (Brotfrüchte, eigene Kokosnüsse, Fische) řā (?)
[customary bundling of things like breadfruit, individual coconuts, fish]
Classifier 31

Bündel, künstliche (Schalen, Gefäße)
[customary bundling of things like bowls, vessels] ga (?)
Classifier 14

Diminutivform [diminutive form] ki, kę
Classifier 20

Tage, Nächte, Zeitabschmitte
[days, nights, time periods] bum, buṅ
Classifier 5

Generationen
[generations] edeta
Classifier 32

Haufen, Mengen, Anhäufungen
[heaps, groups, accumulations] p’o̧
Classifier 29

Körbe (mit und ohne Inhalt)
[baskets, with and without contents] bue̦r̄
Classifier 6

Landstücke
[plots of land] e̦p
Classifier 10

Riffpassagen
[reef passages] e̦ga
Classifier 13

Süß-Wasserplätze, Brünnen
[bodies of sweet-water, wells] e̦ bō̧k
Classifier 4

Kothaufen
[mounds of human waste] mo͡iyi
Classifier 25

Vervielfältigung, Mal
[multiplication, times] uor̄ ī
Classifier 35

The following table shows the numbers corresponding to Hambruch’s classifiers (H) used by Kayser (K) and the present writer (W).

Table 14. Hambruch Classifier Number and Corresponding Numbering in Kayser 1936 and Williams 2014.

H	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
K	27	6	5	39	3	35	14	9	18/19	4	17	16	22	26	28	24	21	11	29	30	32	15	12	10	31	23
W	26	27	12	36	20	17	18	33	7	21	2	1	23	24	31	14	20	5	32	29	6	10	13	4	25	35

Kayser’s *Nauru Grammar* lists 39 “categories”, i.e. classifiers (see NG8-10). These have been re-arranged to a largely alphabetic sequence in the present study.

His number of "categories" has been reduced to 36 classifiers by the following steps:

(a) His "*lifeless*" category 1 has been removed - there is no "*lifeless*" classifier connected to the demonstrative system.

(b) his "*living beings*" category 2 has been removed.

'*amen*' with the meaning '*living beings*', was an early '*animate*' marker, but at a later time was re-analyzed as '*male*' and was re-incorporated into the demonstrative system with that meaning to produce the Male Demonstratives as well as fusing with pre-existing earlier fused Animate Demonstrative Numerals to produce Male Demonstrative Numerals (see Section 12.1).

In addition, there are other markers for '*living beings*', male and female, and there is a plural animate marker for '*living beings*', '*bun*'.

(b) his "caterogies" 18 and 19 are doublets of the same classifier, and have been re-analyzed as one classifier.

Table 15. Classifier Number Equivalency Table Kayser and Williams.

K	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
W	30	21	12	27	11	3	33	4	5	13	15	18	10	1	12	7	7	9	20	23	35	14	22	24	26	31
K	29	30	31	32	33	34	35	36	37	38	39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
W	32	29	25	6	34	8	17	19	28	16	36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

In the re-analyzed listing of the 36 classifiers, each classifier is assigned a shorthand reference, i.e. CL1 (classifier number one) . The number in square brackets is the classifier ("category") number as found in Kayser's *Nauru Grammar* for ease of reference. The phonetic realization is as given by Maggie Jacobs – a Nauruan academic – to Lisa Johnson (see Johnson 2002).

Table 16. Table of Classifiers.

Classifier Number (*Nauru Grammar* Classifier number in brackets)	**Classifier (form and meaning)**
1[16]	ae [aʲæ] piece of flat things, patches. Not elicited by Johnson 2002. Kayser "to define pieces of flat things in general". Hambruch "pieces split lengthwise [längsgeteilte Stücke]".
2[17]	baño/bango [bʌŋo] part of a long object. Not elicited by Johnson 2002. Kayser 1936 "to define longish stiff parts of an object". Hambruch "pieces split across [quergeteilte Stücke]".
3[8]	be [be] coconut palm frond. Johnson (2002:180) indicates some usage among the pre-1970s generations, though its usage has spread to other leaves, showing a blurring of its original meaning being conflated with *ire* classifier domain.
4[10]	bõke/boge [bʲəge] body of fresh water. Not elicited by Johnson (2002). Kayser "fresh-water pits, ponds, pools". Hambruch "bodies of sweet-water, wells" [Süß-Wasserplätze, Brünnen]
5[11]	bũmi/bumi [bɨmi] Johnson (2002:181,182) shows a continued use of this classifier with older informants. Kayser "nights/24 hour day" Hambruch "days, nights, time periods" [Tage, Nächte, Zeitabschmitte]

6[32]	b^{w}ere [bwere] Not elicited by Johnson (2002:185). Kayser “contents of baskets, bags etc” Hambruch “baskets, with and without contents” [Körbe (mit und ohne Inhalt]
7[18/19]	bwetsi/bweti~ mwetsi/mweti [bweit^{s}i~bwei3i/ mweit^{s}i~mwei3i] Kayser “long and flexible objects” An alternate form ‘buäiji~muäiji’ appears in the distributive numeral series in *Nauru Grammar* and is specified as enumerating “slings (used in frigate bird hunting)”. It is suggested here that *mweti* was the original form, the *bweti* form being the result of an ongoing phonological process of prestopping [m- > ^{b}m- > b-]; the resultant form *bweti* continued in use alongside *mweti* and had overtaken it in frequency at the time the colonial period began. Johnson (2002) indicates some usage among older generations for the *bwe-* foms but the *mwe-* forms were not elicited . Hambruch “ garlands, chains, string” [Kränze, Ketten, Schnüre]
8[34]	dume [duume] Not elicited by Johnson (2002) Kayser “contents of wrappings, packets etc”
9[20]	ea [e^{j}æ] Not elicited by Johnson (2002) Kayser “four parts into which a fish is usually cut up”
10[15]	ebe/äbe [ebe] In use. Kayser “land” Hambruch “ plots of land [Landstücke]
11[7]	eiji/eiyi [e3i] In use. Kayser “words”

12[5]	eo [eʲo] trough-shaped objects like the traditional canoe – and by extension other craft, vehicles, planes. Johnson 2002 indicates some usage among older generations. Kayser “trough-shaped objects” Hambruch “boats, large bowls with contents” [Boote, große Eß schüsseln mit Inhalt]
13[12]	ga [gʌ] reef fissures Not elicited by Johnson (2002) Kayser “fissures on the edge of the reef, passages for canoes” Hambruch “reef passages” [Riffpassagen]
14[24]	ga [gæ] Not elicited by Johnson (2002) Kayser “bundles of coconut shells prepared for handling water” Hambruch “ customary bundling of things like bowls, vessels” [Bündel, künstliche (Schalen, Gefäße)]
15[13]	ime [ime] Not elicited by Johnson (2002) Kayser “sheltering roofs, protecting coverings”
16[38]	in [ʲiin] Not elicited by Johnson (2002) contents of coconut-fibre wrappings of scraped coconut”
17[35]	ine [iine] Not elicited by Johnson (2002) Kayser “contents of leaves wrapped up in paperbag form” Hambruch “mats full of fish” [Matten mit Fischen gefüllt]
18[14]	ire [ire] Not elicited by Johnson (2002) Kayser “single hairs, fibres, feathers, leaves” Hambruch “leaves, feathers” [Blätter, Federn]

19[36]	iwi [iwi] Not elicited by Johnson (2002) Kayser “contents of fishing nets”
20[21]	ke/kä [ke] Some usage, Johnson (2002) Kayser “very small parts of a thing” Hambruch “diminutive form” [Diminutivform]
21[4]	mae [mʲai] long rigid objects Johnson (2002) indicates usage among older generations Kayser “lengthy objects” Also used figuratively for groupings, parts, parties – see Kayser *Nauru Grammar* p.40) Hambruch “long, large objects” [Lange, große Gegenstände]
22[25]	mage [mʌge] Not elicited by Johnson (2002) Kayser “groups”
23[22]	mwari [mʷʌrʰi] Johnson (2002:183) indicates some usage among older generations Kayser “larger pieces of a thing” Hambruch “part-cut, broken-up pieces like tobacco (Tobacco in early colonials days was sold either in large cakes, or in long cables), parcels of land” [Beliebig zerteilte, zerbrochene Stücke (Tabak, Lansparzellen)]
24[26]	mwe/mwo [mʷə] fruits growing in clusters Kayser “clustery or syncarpous fruits” Hambruch “naturally occurring bunches (coconuts, bananas)” [Bündel, natürliche (Kokosnuß, Bananen)] Not elicited by Johnson 2002 though in her study she mentions that this classifier is present in the draft-dictionary of the Department of Education (2002:188).
25[31]	mweiyi [mʷeiʒi] heaps of excrement Not elicited by Johnson (2002) Hambruch “mounds of human waste” [Kothaufen]

26[27]	ñe/nge [ŋe] Not elicited by Johnson (2002) Kayser “kinds, species” Hambruch “groups of living beings, families, clans, schools of fish, swarms of birds” [Gruppen lebender Wesen, Familien, Sippen, Fisch-, Vogel- schwärme]
27[6]	oe/oä [oʷe] plants, vegetation Some usage noted in Johnson 2002 but there is also some evidence from her informants suggesting CL12 *eo* and CL27 *oe* have become somewhat confused (Johnson 2002 :178,179). Kayser “plants, stands for frigatebirds” Hambruch “ plants, flowers, trees, fruit-bearing shrubs” [Pflanzen, Blumen, Bäume, Sträucher (fruchttragend)]
28[37]	pañi/pangi [paŋi] Not elicited by Johnson (2002) Kayser “content of hollows in the reef”
29[30]	powi [poʷi] Kayser “heaps and collections of objects”; also used figuratively for groups of people (see NG40). Johnson (2002) indicates some usage among older generations Hambruch “heaps, groups, accumulations” [Haufen, Mengen, Anhäufungen]
30[3]	ra [rʰæ] objects conceived of as presenting a flat surface Johnson (2002:172-175) indicates this classifier is still in use Kayser “flat objects” Hambruch “mats, knives, empty drinking bowls” [Matten, Messer, leere Trinkschalen”
31[28]	re/rä [rre] rows/strings of objects; words in a row (as in a paragraph), though individual words are used with CL11 [7] Some usage. Kayser “rows, strings of objects” Hambruch “customary bundling of things like breadfruit, individual coconuts, fish” [Bündel, künstliche (Brotfrüchte, eigene Kokosnüsse, Fische)]
32[29]	dete/tete [rere] Not elicited by Johnson (2002) Kayser “layers, pedigrees, generations” Hambruch “generations” [Generationen]

33[9]	wa [wa] Not elicited by Johnson (2002) Kayser “sinews, bands, long flexible objects” Hambruch “unwound tobacco ropes, octopus tentacles” [Abgewickelte Streifen (z.B. von Tabak), Oktopusfüße]
34[33]	wime [wiime] Not elicited by Johnson (2002) Kayser “contents of small fish baskets” for small fish
35[23]	wõri/wori [wʌri] Johnson reports continued use (2002) Kayser “number of times” Hambruch “multiplication, times” [Vervielfältigung, Mal]
36[39]	wũri/wuri [wɬri] content of open-mouthed receptacle contents of receptacles like a bowl, glass, open mouthed containers, but not storage vessels (bottles, etc.). This classifier only applies if a substance is in an open container ready to be consumed, but not in a closed container for storage. Johnson (2002:185-187) indicates continued use among pre-1970s generation Kayser “contents of vessels”. Also used figuratively for membership (of clubs, congregations) (see NG40) Hambruch “drinking bowls, small bowls” [Trinkschalen, kleine Eßschüsseln]

Examples of scope of Classifiers [66, 67] :

14.1.1. CL1[16] – AE [aj̇æ]

piece of flat things, patches. Not elicited by Johnson 2002.
In Kayser 1936 this is categorized as “to define pieces of flat things in general”.
In Hambruch 1914 this is categorized as “pieces split lengthwise [längsgeteilte Stücke]”.

179.
eko eñame iõ õñatareiõt[21] ekarawin õbwe dedegai eaen[65] etsimeduw;
be.not AB+person COND FAC+patch+APPL+COM AB+garment old cloth INDF.CL1[16] 3S.DEP.new
bwe[45] minaena dedegai etsimeduw õba bita ekarawin,
for NEI+CL1[16]+MED cloth 3S.DEP+new break NEIII+MED AB+garment
mo ouwaken baũin Matt 9:16
& great+PERF break+3S.POS
no one patches an old garment with a patch of new cloth for that patch of new cloth tears that garment and its tear becomes big

180.
minaena dedegai ã[35] ba atsin eat[21] ekarawin etsimeduw
NEI+CL1[16]+MED cloth 3S.DEP break from+3S.POS on+3S.POS AB+garment 3S.DEP+new
eõ ewin a bit õbwe Lu 5:36
NEG fitting to NEIII+(MED) old
and that patch of cloth is torn from the new garment, it is not fitting for that old one

181.
ngam obwa bet ngaena etimeduw me ngaena engatar etimeduw
lest break also E+CL1[16]+MED 3S.DEP+new & E+CL1[16]+MED AB+patch 3S.DEP+new
eo ewuina ngaena obwe Lu 5:36 1976
NEG fitting+to E+CL1[16]+MED old
lest also that new patch tears and that new patch is not suited for that old patch

182.
aeta ma aijimae edabuike SvN38
NP+CL1[16]+ten & three+CL21[4] AB+wood
Hambruch translates this as "fifteen pieces of wood split lengthwise [15 längesgeteilte Stücke Holz", however, the phrase seems to be a mixture of two classifiers: '*aeta*', 'ten patches' and '*aijimae*', 'three long stiff objects'.
The form for 5 object of Classifier 1[16] is '*aetijimo*', or '*aaen (o) aijimo*'.

183.
minaene edabuike SvN45
NEII+CL1[16]+PROX AB+wood
this piece of wood split lengthwise [diese längespaltenen Holzstücke]

14.1.2. CL2[17] – BAÑO, BANGO, baṅo [bʌŋo]

part of a long object. Not elicited by Johnson 2002.
In Kayser 1936 this is categorized as "to define longish stiff parts of an object".
In Hambruch 1914 this is categorized as "pieces split across [quergeteilte Stücke]".

184.
eomet[21] ebarabaratu ebongon, ngabongona tekeiy ekewew emaet[39]
3s+give+to+1S.DAT+PERF AB+bamboo INDF+CL2[17] E+CL2[17]+MED like AB+measure INDF+CL21[4]
deidein Re 11:1 1976
manner+3S.POS
they gave me part of a cane, that part-length of cane which *is* like a measuring-*stick* in its character

185.
amea ngea etorer ame etimine turin bwain
male+MED E+MED 3S.DEP+talk to+1S.DAT 3S.DEP+exist by+3S.POS object+CONS
an kewew emaen ebarabaretu ebongon ngabongona gold Re 21:15 1976
GPOS+3S.POS measure INDF+CL21[4] AB+bamboo INDF+CL2[17] E+CL2[17]+MED gold
the one talking to me had his measuring-*stick*, a part-length of cane, which part-length *was* gold

186.
aboñota ma aboño edabuike SvN38
NP+CL2[17]+ten & four+CL2[17] AB+WOOD
fourteen pieces of wood split across [14 quergeteilte Stücke Holz]

187.
mubuagoni [sic; mubangone] edabuike SvN45
NEII+CL2[17]+PROX AB+wood
this piece of wood split across [diese quergespaltenen Holzstücke]

14.1.3. CL3[8] – BE, BÄ [be]

coconut leaf/frond. Johnson 2002 indicates some usage among older generations, though its usage has spread to other leaves, showing a blurring of its original meaning being conflated with *ire* classifier domain.
In Kayser 1936 this is categorized as "to define and denote leaves of the coconut tree".

188.
ebäni ebän NG9
AB+coconut.frond INDF+CL3[8]
a leaf of a coconut tree

189.
abät[21] egän? NG76
NP+CL3[8] how.many
how many coconut tree leaves?

14.1.4. CL4[10] – BÕK, BOG, BÖG [bj̇əg]

body of fresh water. Not elicited by Johnson 2002.
In Kayser 1936 this is categorized as "to define and denote fresh-water pits, ponds, pools"

190.
ibija ñabõken edõgen itũga Is 7:3
AB+pool E+CL4[10]+ side+3S.POS above
the upper pool/the pool, which pool *is* on the side above

191.
me okob kor mibogene ebogen ren John 4:11
& 3S.DEP+deep INTENS NEI+CL4[10]+PROX AB+fresh.water+CONS drink
and this well is really deep

14.1.5. CL5[11] – BŨM, BUM, BÜM [bɨmi]

night/24 hour day. Johnson (2002:181,182) indicates some usage among older generations.

192.
re nim õt[39] duwen anũbũmin in ñabũmina Ex 12:8
3P.DEP MOD eat flesh+3S,POS ADV+night CONS E+CL5[11]+MED
they should eat its flesh at nighttime of that day

192a.
me ededegeri David anũbũmin in ñabũmine 2Sa 17:1
& follow+RED David ADV+night CONS E+CL5[11]+PROX
and persues David at nighttime of this day

193.
ngaga r aijibumitet[21,39] dügidügo me re eätiet etawedüdü ion
TEMP+MED 3P.DEP three+CL5[11]+CONS+PERF walk & 3P.DEP see+PERF AB+mountain INDF
ngea Moria ägen Nuw 13:2
E+MED Moriah name+3S.POS
when they had walked thee days, they then saw a mountain named Moriah

194.
eaibumin iruwin me Jesus erowiow Bethania me onow Jerusalem NuwNT 59:1
four+CL5[11]+CONS afer+3S.POS & Jesus leave Bethany & 3S.DEP+go Jerusalem
four days later Jesus left Bethany and went to Jerusalem

14.1.6. CL6[32] – BWERE, BUERE [bwere]

contents of traditional leaf-baskets. Not elicited by Johnson 2002.
Kayser 1936:10 defines it as "to define contents of baskets, bags etc.".
Hambruch 1914.1:110 categorizes this for "baskets, full or empty [Körbe mit und ohne inhalt]".

195.
aro ebwer in ficus ñarabwerõa ã[35] ñaeow ian obwen maneabin Jehova Je 24:1
two AB+basket CONS fig E+two+CL6[32]+MED 3S.DEP place in+3S.POS front+3S.POS house+CONS Jehovah
two baskets of figs, which two baskets they placed before the temple of Jehovah

196.
mwe [sic; mwa] etiok bet omwan me mwa eo omaran mungana brot aiyimo
2P.DEP PREI also wise & 2P.DEP NEG remember NEII+MED.P bread five
re ewuina aiyimo erangat[21] emman me abweret[21] egen mwa oepwoiy?
3P.DEP suffice five NP+ 1000 male & NP+CL6[32] how.many 2P.DEP gather+APPL
me teo bet mungana brot aeiu re ewuina ngabuna aeoq erangan
& only+NEG also NEII+MED.P bread seven 3P.DEP suffice E+ANIM,P+MED four NP+1000
me ebwakin mungana ebwer mwa eiruepwoiy Matt 16:9,10 1976
& numerous+CONS NEII+MED.P AB+basket 2P.DEP gather.up.+APPL
are you not yet wise and do you not remember the five loaves sufficient for five thousand men and how many basketsf you gathered? and were not the seven loaves sufficient for the four thousand, and the large number of baskets you gathered up?

197.
r öügan me abuereta m aron tükitükin münana brot
3P.DEP be.so+PERF & NP+CL6[32]+ten & two+CONS remnants NEII+MED.P bread
me ijü re tük ogonaen NuwNT 33:4
& AB+fish 3P.DEP yet get+PERF
they did so and they then still got twelve baskets of bread and fish fragments

198.
eanakiwui ebueren NG10
AB+copra INDF+CL6[32]
a basketful of copra

199.
abuereruma ma abuer deneno Svn38
NP+CL6[32]+twnty & four+CL6[32] native almond
twenty four baskets of deneno (Morinda citrifolia) fruits [24 Körbe mit Morindafrüchten]

14.1.7. CL7[18/19] – BWETI, BWEITI, BWETSI, BUÄTI ~ MWETI, MWEITI, MWETSI, MUÄTI [bweit^{S}i~bwei3i/mweit^{S}i~mwei3i]

long flexible objects including intestine, bowel (*burio*-), which is used figuratively for "will, mind, spirit, feelings etc".
Kayser 1936:9 defines it as "to define long, flexible objects".
Hambruch (SvN9) categorizes it for "wreaths, garlands, chains, string, braid, line, cord [Kränze, Ketten, Schnüre]".

A form '*buäiji/muäiji*' appears in the distributive numeral series in *Nauru Grammar* and is specified as enumerating "slings (used in frigate bird hunting)".

It is suggested here that *mweti* was the original form, the *bweti* form being the result of undergoing the phonological process of prestopping [m- > m^{b}- > b-]; the resultant form *bweti* continued in use alongside *mweti* and had overtaken it in frequency at the time the colonial period began.

Johnson 2002 indicates some usage among older generations for the *bwe*- foms but the *mwe*- forms were not elicited .

Hambruch (SvN) only mentions '*mue-'*, categorizing it for "Kränze Ketten Schnüre" [wreaths, chains,cords].

200.
ñabuäte earü NG9
E+CL7[18/19]+PROX AB+fishline
this fishline

201.
ñamuäte earü NG9
E+CL7[18/19]+PROX AB+fishline
this fishline

202.
eanakäba ebuätin NG12
AB+coir INDF+CL7[18/19]
a length of coir string / a coir string line

203.
eanakäba emuätin NG12
AB+coir INDF+CL7[18/19]
a length of coir string/a coir string line

204.
arabwei aquõret^{21} ebe bwe^{45} e nim eke aquõren bet^{21} ãita Ge 24:22
two+CL7[18/19] bind+3S.sGR AB+hand for 3S.DEP MOD act.as bind+3S.GER hand+CONS female+MED
two bracelets to act as bracelets for her hands

205.

wo nimõ ririñ abwetsin aijima weden airat[21] ekaramwai Ex 26:5

2S.DEP MOD do NP+CL7[18/19] fifty lock one+CL30[3] AB+curtain

fifty locks you should make the one curtain

206.

arabwei eraroian ñana gold edereder Ex 28:14

two+CL7[17/18] chain E+MED.P gold 3S.DEP+clean

two chains that are refined gold

207.

aebwetsit[27] anakeba 2Sa 8:2

one+CL7[18/19]+CONS AB+coir

one line

208.

arabwei eanakeba n keweõ 2Sa 8:2

two+CL7[18/19] AB+coir CONS measure

two measuring lines

209.

ro quorõten[21] arabwei dõmaeõñ etsimeduw Judg 15:13

3P.DEP bind+COM+PERF two+CL7[18/19] rope 3S.DEP+new

they bound him with two new ropes

210.

mũrabweijũa dõmaõñ ean ben ar eken ũrõr faden ñan õñ Judg 15:14

NEII+two+CL7[18/19]+MED rope on+3S.POS hand+3S.POS 3D.DEP become 3D.IND thread E+P+ consume

those two ropes on his hands became strings consumed

211.

bait[21] iriañ ñea abwetsitae wan Ps 33:2

object+CONS AB+sing E+MED NP+CL7[18/19]+ten+FV string+3S.POS

object for song which has ten strings, i.e. a musical instrument with ten strings

212.

bait[21] ekaeõñ ñea abwetsitae wan Ps 92:3

object+CONS AB+CAUS+cry E+MED NP+CL7[18/19]+ten+FV string+3S.POS

object for causing sound which has ten strings, i.e. a musical instrument with ten strings

213.

A miowi ñabũna arabwei bũriõũra Ps 119:113

1S.DEP hate E+ANIM.P+MED two+CL7[18/19] innards+3P.POS

those with two hearts I despise

214.

eanakeba ñabweta aijõbwe-ian eab epar in mwijow Ecc 4:12

AB+coir E+CL7[18/19]+MED three+CL7[18/19]+ in+3S.POS UNR.NEG 3S.DEP+hasten CONS break.apart

a cord which is three-strands-within, will not hasten to break apart/a threefold cord will not quickly be broken

215.

A nan oija ibũriõ ebwetsin Is 37:7

1S.DEP UNR give.to AB+innards INDF+CL7[18/19

I will give him an inclination / a spirit

216.
amea Johannes etsimine an karawin ñea ewet[64] kamel ma aquarat[21] iwũgagat
male+MED John 3S.DEP+exist GPOS+3S.POS garment E+MED skin+CONS camel & belt+3S.POS among+3S.POS
ebwetsin ñamweta leder Matt 3:4
INDF+CL7[18/19] E+CL7[18/19]+MED leather
John had a garment, which *was* camel skin, and his belt about him, which *was* leather

217.
ro beiy eokong ebwetin Matt 27:29 1976
3P.DEP plait thorn INDF+CL7[18/19]
they plaited a circlet of thorns

218.
bwe[46] anim eaead ngabweta kworen wan shoe Mark 1:7 1976
for 1S.DEP+MOD loosen+RED E+CL7[18/19]+MED bind+3S.GER RPOS+3S.POS shoe
that I should untie the laces of his shoe

219.
me oraididi imit ebwetin me eke dawip John 2:15 1 9 7 6
& wrap AB+thing INDF+CL7[18/19] & make wip
and wrapped a long flexible object and made a wip

220.
re baij aquat[21] ebwetsin atsin ean akanthos mõ rõ quaeõn tũbwin Joh19:2
3P.DEP plait circlet+CONS INDF+CL7 from+3S.POS on+3S.POS thorn & 3P.DEP encircle+COM head+3S.POS
they plaited a circlet from thorns and they crowned his head with it

221.
ro baiy eokong ebwetin... me ro kwaeon tubwin ngabweta John 19:2 1976
3P.DEP plat thorn INDF+CL7[18/19] & 3P.DEP set.on+COM head+CONS E+CL7+MED
they p;at a circlet of thorns ... and they encircled his head with that circlet

222.
mo oqua aquan ñamweta akanthos Joh19:5
& 3s+set belt+3S.POS E+CL7[18/19]+MED thorn
and they set his *circlet* , the one that was thorns

223.
me itugain memag mungana, enim meg turumie bita eauwe ngea ekeiy
& above+3S.POS all NEII+MED.P S . D E P s+MOD dwell by+2P.POS NEIII+MED AB+love E+MED become
ngabweta kworen mout[39] deideit[21] engame Col 3:14 1976
E+CL7[18/19]+MED bind+3S.GER good+CONS manner+CONS AB+person
and above all these things, have love, which becomes the binding of people's righteous ways

224.
me eo meneang dogin ngabweta okwareo 2Tim 1:16 1976
& NEG shame reason+3S.POS E+CL7[18/19]+MED FAC+bind+1S.GER
and *he* was not ashamed because of my being bound

225.
omaro ko ngabweta burio eow iat[39] Demoniba Phil 1:20 1976
FAC+refresh COMM E+CL7[18/19]+MED innards+1S.POS DIR in+3S.POS Lord
make refreshed my heart in the Lord

226.

mwa ranga ko kamie, ngam timine eow ian ion eamie burioun
2P.DEP look.out COMM 2P.OBJ lest exist DIR in+3S.POS INDF on+2P.POS innards+3S.POS
ebwetin ebaka, ngabweta t eiyiet[21] eo ekeiduwen, bwe[45] nim bwaoeda
INDF+CL7[18/19] 3S.DEP+bad E+CL7[18/19]+MED only 3S.IND+PERF NEG trust for MOD depart
tinin amea God ngea timor Heb 3:12 1976
f rom+3S.POS male+MED God E+MED live
beware lest there is one of you having a bad heart, which heart becomes unbelieving, so that he should depart from the living God]

227.

ngam aroda aworat[21] ebwaoadin ebwetin Heb 12:15 1976
lest grow.up root+3S.POS bitter INDF+CL7[18/19]
lest a bitter root should develop

228.

tin ia[9] ang amwamweduw ian mwura mungana boni ngabweta
COND 1P.INC.DEP push.down+RED in+33.POS mouth+3P.POS NEII+MED.P horse E+CL7[18/19]+MED
bwait[21] eiruwaneiy ura Jas 3:3 1976
object+CONS control 3P.OBJ
[if we put into the mouth of horses the long, flexible object for controlling them [i.e. their bridles]

229.

me bworaiyon bwaran kworet[27] uwugagan ebwetin
& bind+APPL+COM breast+3S.POS bind+3S.GER middle+3S.POS INDF+CL7[18/19]
t eiy gold Rev 1:13 1976
only 3S.IND gold
and his chest was bound with a golden binding about the middle of it

230.

me eoiya amea emwar ebwetin Rev 6:2 1976
& 3S.DEP+give.to male+MED AB+garland INDF+CL7[18/19]
and he was given a garland (crown)

231.

eraroian ebwetin ouwak Rev 20:1 1976
AB+chain INDF+CL7[18/19] big
a great chain

232.

me eitiök bät merodu ngabuäta büriöün Pharao Nuw 32:4
& PREI also soften E+CL7[18/19]+MED innards+CONS Pharaoh
Pharaoh's heart had not yet softened

233.

e quor öt[21] eraroian arabueij amea Petrus ñea e mijemi iugagait[27]
3S.DEP bind COM chain two+CL7[18/19] male+MED Peter E+MED 3S.DEP sleep among+3S.POS
amän ake arumen NuwNT91:3
male+CONS fight two+ANIM
he bound Peter with two chains, who slept between two soldiers

234.

quor ön ko ñabuäta uwugagam me ädua wam schuhe
bind COM COMM E+CL7[18/19]+MED middle+2S.POS & dress RPOS+2S.POS shoes
me edegeri eö ko! NuwNT 91:4
& follow 1S.OBJ COMM

bind up that long fleible object (*the belt*) *of* your waist and put on your shoes and follow me

14.1.8. CL8 [34] – DUME [duume]

content of leaf wrapping, package, container. Not elicited by Johnson 2002. Kayser 1936:10 defines it as "contents of wrappings, packets etc.".

235.
ijü idumen NG12
AB+fish INDF+CL8[34]
a package of fish

236.
me tuk ngaga me eiyidawen ian oeron midumena Ac10:16 1976
& again TEMP+MED & 3S,DEP+let.up+DIR9+PERF in+3S.POS cloud NEI+CL8[34]+MED
and immediately that wrapper was cast up into heaven

237.
idum idumen, tekeiy deideit[39] dedagaiy linen eaen ouwak, ngadumen orodu
AB+wrapper INDF+CL8[34] like manner+CONS cloth linen INDF+CL1[16] big E+CL8[34]+ 3S.DEP+go.down
me iyedu an on muraoa [sic; muaraoa] ingin eadun ian oeron me
& let.down COM2 COM NEII+CL30[3]+four+MED corner+3S.POS downwards in+3S.POS cloud &
turetuwame ngaena Ac 11:5 1976
approach+to+1S.DAT E+CL1[16]+MED
a wrapper, like *in* its manner a large piece of linen cloth, which wrapper descended and was cast down by those four corners, down from heaven, and that piece *of cloth* drew near to me

14.1.9. CL9[20] – EA [eJæ]

fourth part into which a fish is traditionally cut. Not elicited by Johnson 2002.

238.
ijü ean NG9
AB+fish INDF+CL9[20]
a fourth part of a fish

239.
aeat[21] egän? NG76
NP+CL9[20] how.many
how many fourth parts of fish?

14.1.10. CL10[15] – EB, ÄB [eb]

piece of land

240.
eäb äben NG7,8
AB+land INDF+CL10[15]
a piece of land, a block of land

241.
ñabene eäb NG8
E+CL10[15]+PROX AB+land
this piece of land

14.1.11. CL11[7] – EIJI, EIYI [eʒi, e̯ji]

Classifier for a word, or a message (words in sequence, speech-flow, can use CL31 [28]).

242.
mineijine añög NG9
NEI+CL11[7]+PROX word
this word here

243.
eañög eijin NG12
AB+word INDF+CL11[7]
a word

244.
me eö bät öraij eañög it[39] düra iö oaejin Nuw28:5
& NEG also cast AB+word CONS sin COND FV+one+CL11[7]
and he also did not utter ever one word of wrongdoing

14.1.12. CL12[5] – EO [e^{j}o]

trough-shaped objects like the traditional canoe – and by extension other craft, vehicles, planes.There appears to be a simplification in phonetic realization for this classifier when used in conjunction with various prefixes.

For example:

<u>Emphatic demonstrative series</u>

Kayser 1936 n̈aeon- = ŋgaeon-
Bible 1918/NT 1976 ñon-/ŋgon-

<u>Non-emphatic demonstrative series</u>

Kayser 1936 mu̧eon-
Bible 1918/NT 1976 meon-/mion-
Nauru Hansard mon-

Johnson 2002 indicates some usage among older generations.

245.
equo eon NG14
AB+canoe INDF+CL12[5]
a canoe

246.

ñona dobot etiken ijugagain see ñage ma aedu-aeda ean
E+CL12[5]+MED boat 3S.DEP+yet+PERF between+3S.POS sea TEMP+PROX & down up on+3S.POS
bagobagan Mt14:24
wave
that boat was then yet in the midst of the sea and *going* up and down on the waves/being tossed about by the waves

247.

me aedu aeda animwen bagobagan miona ora ina imago kor Matt 14:24 1976
& d own up atop+3S.POS wave NEII+CL1[5]2+MED vessel+3P.POS there LOC+see INTENS
and their vessel was *going* up and down on the waves there out at sea/was being tossed about on the waves there out at sea

248.

wo nan rid a meona om Nuw 6:4
2S.DEP UNR rise to NEII+CL12[5]+MED craft+2S.POS
you must board that craft of yours

249.

mätu a ko meona om Nuw 6:6
go+in to COMM NEII+CL12[5]+MED vessel+2S.POS
enter your vessel

250.

e mätuw ian arche ona Nuw 6:7
3S.DEP go.in+DIR9 in+3S.POS ark CL12[5]+MED
he entered into the ark

251.

i ta eät[27] oquo oara e quoreow inna NuwNT 19:1
only see canoe FV+two+CL12[5] 3S.DEP bind+DIR there
he only saw two canoes tied up there

252.

bwe[45] enim handle eiy mona ambulance hsd.16p
for 3S.DEP+MOD handle APPL NEII+CL12[5+MED ambulance
so that he should handle that ambulance

253.

tsinia tsimine call dogit[64] ambulance eita oa mibuna staff ngabuna senior
COND exist call reason+3S.POS ambulance female+MED or NEII+ANIM.P+MED staff E+ANIM.P+MED senior
iat emergency ura nan edegeri ngona ambulance hsd.16p
in+3S.POS emergency 3P.IND UNR follow E+CL12[5]+MED ambulance
if there is a call for the ambulance, she or the staff - those senior in emergencies - they will follow that ambulance

14.1.13. CL13[12] – GA [gʌ]

Kayser 1936:9 defines it as “for fissures on the edge of the reef, passages for canoes”. Not elicited by Johnson 2002.

254.

iña ñagana egan? NG9
where E+CL13[12]+MED INDF+CL13[12]
where is that other passage through the reef?

14.1.14. CL14[24] – GA, GA̤ [gæ]

bundle of drinking-water shells. Not elicited by Johnson 2002.
Hambruch (SvN10 defines it for “bowls, receptables, vessels [Schalen, Gefäße]”.

255.
agata ma aẓo teren SvN38
NP+CL14[24]+ten & nine drink.container
nineteen bundles of water containers [19 Wassergefäßbündel]

256.
ñagane deiren NG9
E+CL14[24]+PROX drink.container
this bundle of drinking water shells

14.1.15. CL15[13] – IME [ime]

shelters. Not elicited by Johnson 2002.

257.
imen oquo imen NG9
shelter+CONS canoe INDF+CL15[13]
a canoe shed

14.1.16. CL16[38] – IN [ʲiin]

content of coconut fibre wrappings. Not elicited by Johnson 2002.

258.
eanakiwui in NG12
AB+coconut INDF+CL16[38]
a coconut fibre wrapping full of scraped coconut

259.
ñainine eanakiwui NG37
E+CL16[38]PROX AB+coconut
this coconut fibre wrapping full of scraped coconut

260.
anakiwui inine NG37
coconut CL16[38]+PROX
this coconut fibre wrapping full of scraped coconut

14.1.17. CL17[35] – INE/INÄ [iine]

Classifier for contents of leaf bags (coconut fronds/pandanus leaves). Not elicited by Johnson 2002.
Hambruch (SvN9) categorizes this as “mats full of fish[Matten mit Fischen gefüllt]”.

261.
ainen oaẓo iu SvN35
NP+CL17[35] FV+eight AB+fish
nine mats with fish [9 Matten mit Fischen]

262.
kauwe inäne NG37
flower CL17[35]+PROX
this leag bagful of flowers

14.1.18. CL18[14] – IRE [ire]

single hair/feather/leaf/fibre. Not elicited by Johnson 2002.

263.
aireta euwetogogo SvN35
CL18[14]+ten feather+CONS+cockrell
ten cockrell feathers [10 Federn]

264.
õten, wo nimõ titirũei ret[21] imin ero ñaeren eñeñeda eanuaw? Job 13:25
TAG 2S.DEP MOD agitate+APPL hair+CONS AB+thing 3S.DEP+grow E+CL18[14]+ blow away
should you harass a leaf which *leaf* is blown away

14.1.19. CL19[36] – IW [iw]

contents of fish-nets. Not elicited by Johnson 2002.

265.
ijü iwin NG14
AB+fish INDF+CL19[36]
a netful of fish

14.1.120. CL20[21] – KE/KÄ [ke]

small part. Johnson indicates continued use as "a little bit of".

266.
iu aiyike SvN37
AB+fish three+CL20[21]
three small fish [3 kleine Fische]

267.
akeruma imin ueta SvN38
NP+CL20[21]+twenty AB+thing fly
twenty small birds [20 Vögelchen]

268.
ebög ekän NG9
AB+water INDF+20[21]
a little water

269.
ikumo ekän NG12
AB+pig INDF+CL20[21]
a small bit of pork

The indefinite pronoun *eken* is also used to signify "more" in comparative clauses .**4.1.21.**

CL21[4] – MAE, MA [mʲai]
long rigid objects.
Hambruch (SvN10) categorizes it for "long, large objects [Lange, große Gegenstände]".
Also used figuratively for groupings (parts, parties – see Kayser *Nauru Grammar p.40*).
The indefinite pronoun is often used with the meaning "half"; also used for fractional parts.
Johnson indicates usage among older generations.

Examples:

270.
amaeta ma aiyimai erakoub' [sic; erakow] SvN38
NP+CL21[4]+ten & three+CL21[4] AB+speer
thirteen spears [13 Speere]

271.
Jehova Gott eririñ mimana eparũgirũg ñaman o r oudan ean amea
Jehovah God 3S.DEP+make NEI+CL21[4]+MED AB+rib E+CL21[4]+ 3S.DEP take.out+DIR8 on+3S.POS male+MED
me eket[21] ãn Ge 2:22
& act.as+PERF female
Jehovah God fashioned that rib which he had taken out of that man, and it became a woman

272.
ã[35] nim otow ian men Gott añõgõra arumae aeõg Ex 22:9
3S.DEP MOD bring in+3S.POS face+CONS God word+3P.POS two+CL21[4] together
they should bring before God word concerning the two parties jointly

273.
ean añakin ñana arumae Ex 30:4
on+3S.POS bar+3S.POS E+MED.P t wo+CL21[4]
on its two bars

274.
murumaõa edabwike Ex 37:5
NEII+two+CL21[4]+MED AB+wood
those two lengths of wood

275.
A nan gadũg aijimae mwit[39] dobonara itañin tekei ia A kearoei
1S.DEP UNR stretch three+CL21[4] point+CONS bow along+3S.POS like COND 1S.DEP aim
I will shoot three arrows alongside it as though I aim at a target
itema ion 1Sa 20:20
AB+sign INDF

276.
nua ko, mõ õni mijimaõa mwit[39] dobonara…kania, mwit[39] dobonara
go COMM & fetch NEII+three+CL21[4]+MED point+CONS bow look point+CONS bow
ñaijimao iruwũm… kania, mwit[39] dobonara ñaijimao ian obwõm 1Sam 20:21,22
E+three+CL21[4]+MED after+2S.POS look point+CONS bow E+three+CL21+MED in+3S.POS before+2S.POS
go and fetch those three arrows…look, those three arrows are behind you…look, those three arrows are before you

277.

emekwor eow ean miyumaoa edako eamen arag ebwak John 5:3 1976
3S.POS+lie DIR on+3S.POS NEI+three+CL21[4]+MED AB+square man+CONS sick many
there lay by those three angles many sick people

278.

Gott e dogereij Moses, bue e nüm ärä a emago mimana
God 3S.DEP command+APPL Moses for 3S.DEP MOD extend to AB+sea NEI+CL21[4]+MED
an äwäw; me tük ñaga me baoet ijitet me ekä arumae Nuw 34:2
GPOS+3S.POS staff & yet TEMP+MED & break+PERF deep.sea & make two+CL21[4]
God commanded Moses that he should extend his staff to the sea and immediately the deep was then parted and became two parts

279.

e reij bita tabernakel me ekä arumae Nuw 38:2
3S.DEP block NEIII+MED tabernacle & make two+CL21[4]
he blocked the tabernacle and made two long rigid objects (curtains)

280.

i ta ngaeow ean müaraoa ingit[64] ring ngana oaeoq, ngana
only place on+3S.POS NEII+four+CL30[3]+MED corner+CONS AB+ring E+MED.P FV+four E+MED,P
t eij gold, me ekä obüönät[21,67] enä arumae e goldeij Nuw 38:3
only 3S.IND gold & make carry+COM+3S.GER AB+pole two+CL21[4] 3S.DEP gold+APPL
he placed on those four corners four rings, that were golden, and made two golden poles (for) the carrying with it

281.

imür ekän[61] me Moses e tük ñaeow bät ian bita arche emanna iwurin me
later INDF+CL20[21] & Moses 3S.DEP yet place also in+3S.POS NEIII+MED ark AB+manna INDF+CL36[39] &
mimana an äwäw Aaron Nuw 38:4
NEI+CL21[4]+MEDP GPOS+3S.POS staff Aaron
a little later and Moses again placed in the ark a containerful of manna and those staffs of Aaron's

282.

ideij ko bita eoniñ ñea timor me ekä arumae me oij a ko
cut COMM NEIII+MED AB+small E+MED live & make two+CL21[4] & give to COMM
ätune emaen[68] me äta emaen[68] Nuw 60:5
female+PROX INDF+CL21[4] & female+MED INDF+CL21[4]
cut the child that lives and make two parts and give to this woman half and that woman half

283.

ian engokin Greek geidet[21] ekaibar iat[64] Bibel ebak ouge ta kor
in+3S.POS AB+word+CONS Greek translate+PERF AB+cross in+3S.POS Bible numerous be.so only INTENS
dabwike emaen NB
wood INDF+CL21[4]
in the Greek word translated "cross" in many Bibles, it really means just a timber

Also used figuratively for parties of people (see Keyser *Nauru Grammar p.40*).

284.

mümane amerumene kamürör[52] NG40
NEII+CL21[4]+PROX male+two+ANIM+PROX 2D.IND
you two men of this party!

14.1.22. CL22[25] – MAGE/MAGÄ [mʌge]

groups; perhaps distinguished originally from classifier 29 by referring to swaying groups (including swarm of bees) rather than static groups. Not elicited by Johnson 2002.

285.
ini emagän NG9
AB+coconut INDF+CL22[25]
a group of coconut trees/a coconut palm grove

14.1.23. CL23[22] – MWARI, MARI [$m^{w}ʌr^{h}i$]

larger piece, large part of an object.
Hambruch (SvN10) categorizes this as "divided, broken pieces (tobacco, land parcels)" [beliebig zerteilte, zebrochenen Stücke (Tabak, Landparzellen)]. Tobacco in earlier years was sold either in large cakes, or in long cables.

286.
amarita ma aṅo tebaike SvN38
NP+CL23[22]+ten & six tobacco
sixteen chunks of tobacco [16 Stücke Tabak]

287.
o rouda barũgirũgit emaen, me e tsimaeõn mũmwarina etañ duwen[69] Ge2:20
3S.DEP take.out rib+3S.POS INDF+CL21[4] & 3S.DEP shut+COM NEII+CL23[22]+MED AB+place flesh+3S.POS
he took out a rib and closed up that place with his flesh

288.
mumwarina emeg ina ange, ngamwarina oreit opwae ina
NEII+CL23[22]+MED 3S.DEP+dwel there on.the.ground E+CL23[22]+MED PROG encircle there
iruwit[39] tempel Re11:2
behind+3S.POS temple
that large *place* located there on the ground, the large *place that* is round about behind the temple

Johnson (2002:183) indicates some usage among older generations:

289.

"eiju muri brot/eiyimorit brot/eiyimurit brot 'three slices of bread'

participants' responses contained the construct suffix …This usage might have been influenced by the English translation."

14.1.24. CL24[26] – MWE, MUÖ [$m^{w}ə$]

fruits growing in clusters, including syncarpous fruit of the pandanus; bunches of bananas and bunches of coconuts.
Hambruch (SvN10) categorizes it for "naturally occurring bunches (coconuts, bananas) [Bündel, natürliche (Kokosnuß, Bananen)".
Not elicited by Johnson 2002 though in her study she mentions that this classifier is present in the draft-dictionary of the Department of Education (2002:188).

290.
ṅamuöne epo NG9
E+CL24[26]+PROX AB+pandanus
this pandanus fruit

291.
ã ij egen ñamwarina etañ bwe[45] epañ ñea Eskol [ñeijin tekei Emwen]
3S.DEP choose name-3S.POS E+CL23[22]+MED AB+location for AB+vale E+MED Eshkol E+CL11[5]+ like AB+fruit.cluster
bwe dõgin[45] mũmwen quan vitis ñamwena ibwibwin Israel etowedun
for reason+3S.POS NEII+CL24[26]+ fruit+CONS vine E+CL24[26]+MED grandson+RED+CONS Israel 3S.DEP+cut.down+DIR8
ina Nu 13:24
there
they named that place as the vale Eshkol (which word like 'Cluster of fruit' because of the cluster of grapes, that cluster the descendents of Israel cut down there

Also used figuratively for cohorts (see *Nauru Grammar p.40*).

292.
mümuöne änibüne kamie[52] NG40
NEII+CL24[26]+PROX female+ANIM.P+PROX 2P.IND
you women of the same age here!

293.
minimuöna büna kamie[52] NG40
NEI+CL24[26]+MED ANIM.P+MED 2P.IND
you of the same age!

294.
mümuöna aeö amena kamie[52] NG41
NEII+CL24[26]+MED GPOS+1S.POS four+ANIM+MED 2P.IND
you four of my age!

14.1.25. CL25[31] – MWEIJI, MWEIYI, MUEIJI [m^{w}eiʒi, m^{w}eᵲji]
heaps of excrement.
Not elicited by Johnson 2002.

295.
ibuija emueijin NG10
AB+excrement INDF+CL25[31]
a heap of excrement/a dung-hill

14.1.26. CL26[27] – NGE, ÑE, ÑÄ [ŋe]
kinds, species.
Not elicited by Johnson 2002.
Hambruch (SvN9) categorizes it for "groupings of living creatures, families, clans, fish shoals, bird flocks [Gruppen lebender Wesen, Familien, Sippen, Fisch- und Vogel- schwärme)".

296.
ītsī aṅẹ SvN37
AB+frigate.bird four+CL26[27]
four flocks of frigatebirds [4 Fregattvogelschwärme]

297.

mõ õmwaijõn met[21] epowi ñañen owijabañabañ Ge 30:40
& 3S.DEP+turn+COM eye+CONS AB+large.group E+CL26[27]+ 3S.DEP+ring-streaked
and he tuned to the face of the flock, which animal kind *was* ring-streaked

298.

tsin iõ õren ijeñ imin gõgõrõ ñañen oaio duwen Ge 30:41
COND IMM pregnant AB+thing run+RED E+26[27]+ strong flesh+3S.POS
when the animal animal kind that was strong of body just now became pregnant

299.

ñagan ñañen ejũrũñ ũra wõn Laban Ge 30:42
therefore E+CL26[27]+ 3S.DEP+weak 3P.IND RPOS+3S.POS Laban
therefore the animal kind that was weak, these were Laban's

300.

mũñena eñamañameab re ijababa eben Ãgypten memak Ex 8:24
NEII+CL26[27]+MED AB+insect 3P.DEP destroy land+CONS Egypt all
and that swarm of insects ruined all the land of Egypt

301.

tekei ficus ñañen õd amo n emer Je 24:2
like fig E+CL26[27]+ pass.by first CONS 3S.DEP+ripe
like figs the kind of which go first in ripeness

302.

leonis ñañena eoniñ Na 2:13
lion E+CL26[27]+MED 3S.DEP+small
lions those kinds are small
those young lions

303.

etsimine epowi n kumo ion ino ogoeow, ñañena rõ õreit ijeiji Matt8:30
3 S.DEP+exist AB+herd CONS pig INDF yonder afar E+CL26[27]+MED 3P.DEP PROG feed
there was yonder afar off a swine herd, that herd there was feeding

304.

eo oiyot[21] inna wotow eat imit[21] inon ngangena,
NEG send there SUC+DIR on+3S.POS AB+thing others E+CL26[27]+MED
bwe ita[45] eat[21] edetaro me eat[21] eo nganamwi Mark 9:28 1976
for only on+3S.POS AB+prayer & on+3S.POS NEG satiated
they are not cast out successfully by those other kinds except by prayer and fasting

305.

ngea otiriwaiy ion inimagen ngangene eoning ro reit
E+MED FAC+trip+APPL INDF among+3S.POS E+CL26[27]+PROX AB+small 3P.DEP PROG
ekeiduwen o Mark 9:41 1976
confide 1S.OBJ
the one *who* makes to stumble one among these little ones *who* are believing in me

14.1.27. CL27[6] – OE, OÄ [o^{w}e]

Classifier used for vegetation.

Kayser in his Grammar gives the spellings *n̓aoäna/mụoäna* etc in his demonstrative tables, but within his Grammar there appear alternate spellings reflecting a reduction in phonetic outcome such as *mụäna,* which reflects the spelling found in other sources (*muena,mũena*). Also noted are spellings such as *mowena* etc.

Some usage noted in Johnson 2002 but there is also some evidence from her informants suggesting CL.12 *eo* and CL.27 *oe* have become somewhat confused (Johnson 2002:178,179).

306.
auen aijimo ini SvN35
NP+CL27[6] five AB+coconut
five coconut trees [5 Palmen]

307.
n̓aoäna io ubuiö NG9
E+CL27+MED tamano home+1S.POS
that tamano tree *at* my place

308.
anu ko mụäne NG168
climb COMM NEII+CL27[6]+PROX
climb this tree

309.
antioranin ngabumina ngaga ri ta od tangin muena fig Mark 11:20 1976
daytime+CONS E+CL5[11]+med TEMP+MED 3P.DEP only pass along+3S.DEP MEII+CL27[6]+MED fig
it was already morning when they passed by that figtree

310.
ren mũena imin erõ ei õtsimoren heiden Re 22:2
leaf+CONS NEII+CL27[6]+MED AB+thing 3s+grow 3S.IND FAC+live+3S.GER non-Jewish.nations
the leaves of that tree is the healing of the nations

14.1.28. CL28[37] – PANG, PAÑ pa̲n̓ [paŋ]

contents of reef-hollows .
Not elicited by Johnson 2002.

311.
eamuid epañin NG14
AB+marine.eel INDF+CL28[37]
a reef-hollow full of eels

312.
amuid pañina NG37
marine.eel CL28[37]+MED
that hollow full of eels

14.1.29. CL29[30] – POWI [powi]

static heaps, collections, as opposed to moving groupings.
Hambruch (SvN10) categorizes it for “heaps, piles, accumulations [Haufen, Mengen, Anhäufungen]”.
Johnson 2002 indicates some usage among older generations

313.
aporuma ma ayupom epo SvN38
NP+CL29[30]+twenty & three+CL29[30] AB+pandanus
twenty-three heaps of Pandanus fruit [23 Haufen Pandanus]

314.
epe epowin NG12
AB+stone INDF+CL29[30]
a heap of stones

315.
ṅapowina eanakiwui NG14
E+CL29[30]+MED AB+coconut
the heap of coconuts there

316.
tekei myrrhe epowin, ñapowin emek ijugagain itũ Ca 1:13
like myrrh INDF+CL29[30] E+CL29[30]+ 3S.DEP+dwell between+3S.POS breast+1S.POS
like myrrh INDF.CL29 E+CL29 3s+dwell among+3s breast+1s
as a bundle of myrrh that is between my breasts

317.
mupowina ikumo re rangangeduwen ina okoruwow me re otubwiduw
NE+CL29[30]+MED AB+pg 3P.DEP hasten+down+RED+PERF there 3S.DEP+steep & 3P.DEP FAC+head.down+DIR
iat ebog Matt 8:32 1976
in+3S.POS AB+water
that herd of swine then rushed down to where it is steep and they went headlong into the water

318.
inan eiyien aipowin me aikwen ngamen in ranga John 10:16
UNR 3S.IND+PERF one+CL29[30] & one leader+3S.POS CONS care
it will have become one flock and one shepherd

319.
ri nan ta aipowin ma aiquen hirte John10:16 1976
3P.DEP UNR only one+CL29[30] & one shepherd
they will be just one flock and one shepherd

Also used figuratively for groups of people (see *Nauru Grammar p.40*).

320.
müpowine ametimene kamieij[52] NG40
NEII+CL29[30]+PROX male+three+ANIM+PROX 2T.IND
you three men in this group here!

321.
inan ma Jesus bwe dogin[45] ngapowina epon ngame John 11:51 1 9 7 6
UNR die Jesus for reason+3S.POS E+CL29[30]+MED gather.together+CONS person
Jesus was to die for the nation

14.1.30. CL30[3] – RA [r^{h}æ]

objects having a flat surface or conceived as presenting a flat surface; objects that have been cut in two or emptied presenting a hollow aspect; external body parts.
Hambruch (SvN9) categorizes it as for "mats, blades, empty drinking bowls [Matten, Messer, leere Trinkschalen]".
Johnson (2002:172-175) indicates this classifier is still in use .

According to Kayser, the following were included:

objects having a flat surface:

itüber (mat), iw (fishing net), era (board, flat piece of timber), dibidi (knife), üñüñ (traditional skirt), epe (a flat stone) – see NG:8;

objects conceived as presenting a flat surface:

some phenomena are included in this classificatory group, i.e.

oeron (cloud), eñin (wind), towuirara (rainbow), eaijue (strong westerly wind), eraw (cave) – see NG:8 objects that have been cut in two or emptied presenting a hollow aspect:
ini eran – half a coconut NG:8 ijü eran – half a fish NG:8
iwur eran – an empty cup NG:8
etabuike eran – a stick split lengthwise NG:8

external body parts:
ebä (hand), eana (foot), jiñö (my ear), mwü (my mouth), erowü (my back), anapa (my cheek) – see NG:8----------

322.
aran oijo ikuur [sic; iwur] SvN35
NP+CL30[3] eight AB+coconut.shell
eight empty drinking bowls [8 leere Trinkschalen]

323.
itüber ñarana eran NG12
AB+mat E+CL30[3]+MED INDF+CL30[3]
the other mat

324.
obu ko murane bwaim in mekwor me gatow ko ian am oag ! Mark 2:11 1976
carry C OMM NEII+CL30[3]+PROX object+2S.POS CONS lie.down & go.to COMM in+3S.POS GPOS+2S.POS house
carry this your bed and go into your house]

325.
tin ia[9] murane bem oreit otiriwaiy uw me towida ko ngarana Mark 9:4 1976
COND NE+CL30[3]+PROX hand+2S.POS PROG FAC+trip+APPL 2S.OBJ & cut.off COMM E+CL30[3]+MED
if this your hand is making you to stumble, cut that one off]

14.1.31. CL31[28] – RE, RRE, RÄ [rre]

rows/strings of objects; speech-flow (though individual words are used with CL11 [7]) Hambruch (SvN10) categorizes it for "bundles customarily brought together by humans of things such as breadfruit, individual coconuts, fish [Bündel, künstliche (Brotfrüchte, eigene Kokosnüsse, Fische)".

326.
areta ma auiyu demei SvN38
NP+CL31[28]+ten & eight breadfruit
eighten bundles of breadfruit [18 Brotfruchtbündel]

327.
miniräna ätimena kamieij, meij ta oeijo me eö mömeri ! NG40
NEI+CL31[28]+MED female+three+ANIM+MED 2T.IND 2T.DEP only stand & NEG move.about
you, row there of three women, stand still and do not move!

328.
ngarena iat bibel amea oreita retineiy angogen Ac 8:32 1976
E+CL3[28]+MED in+3S.POS Bible male+MED PROG read+APPL concerning+3S.POS
that line in the Bible he was reading about it

14.1.32. CL32[29] - TETE, DETE [rere]

layers/pedigrees/generations.
Not elicited by Johnson 2002.

329.
atetit añamä aiteten NG10
generation+CONS AB+person one+CL32[29]
one generation

330.
epe eteten NG12
AB+stone INDF+CL32[29]
a layer of stones

331.
müteteno büno kamie![52] NG40
NEII+CL32[29]+DIST ANIM+DIST 2P.IND
you over there of the same generation!

332.
me atin ean a detit[21] engame edeten ea ngadetena edeten
& from+3S.POS on+3S.POS generation+CONS AB+person INDF+CL3[29]2 to E+CL32[29]+MED INDF+CL32[29]
me ita meg an auwe t eg turin ngabuna re miow Lu 1:50 1976
& only dwell GPOS+3S.POS love only name by+3S.POS E+ANIM.P+MED 3P.DEP fear
and from a generation of people to another generation, his mercy is with those *who* are in fear

333.
me puduwen ange eadun ean ngadetena aiyedetit[27] oag Acts 20:9 1976
& fall+DIR9+PERF on.the.ground downwards on+3S.POS E+CL32[29]+MED three+CL32[29]+CONS AB+house
he then fell to the floor down from the third level of the house

14.1.33. CL33[9] – WA wa̲ [wa]

long flexible parts, exterior and interior (including sinews, tentacles).
Not elicited by Johnson 2002.
Hambruch (SvN9) categorizes it as for “unwound tobacco ropes, octopus tentacles [abgewickelte Streifen (z.B. von Tabak), Oktopusfüße)”].

334.
auuata ma eoan dogigo SvN35
NP+CL33[9]+ten & one+CL33[9] octopus
eleven octopus tentacles

335.
tegiga ewan
octopus INDF+CL33[9]
an octopus tentacle

14.1.34. CL34[33] – WIME [wiime]

contents of leaf baskets for small fish.
Not elicited by Johnson 2002.

336.
eaner ewimen NG12
AB+fish-basket INDF+CL34[33]
the contents of a fish basket

14.1.35. CL35[23] – WORI, WÕRI, WÖRI [wʌri]

number of times.
Johnson reports continued use in multiplicative numerals.

337.
ṅaworina towöm NG9
E+CL35[23]+MED opportunity+2S.POS
your turn

338.
e nüm egän an öröe buriö amea edü iö a nüm mijön
3S.DEP MOD how.many GPOS+3S.POS FAC+heavy innards+1S.POS male+MED sibling+1S.POS COND 1S.DEP MOD forget
an düra? Togin ean aworin o aeiu? me Jesus oneij me öüge:
GPOS+3S.POS wrong end+3S.POS on+3S.POS NP+CL35[23] FV seven & Jesus answer & say
a eö pan a uw aña togin ean aworin o aeiu bue togin ean
1S.DEP NEG speak to 2S.OBJ 1S.IND end+3S.POS on+3S.POS NP+CL35[23] FV seven for end+3S.POS on+3S.POS
aworin aemo m aeiu NuwNT 40:2
NP+CL35[23] seventy & seven
how many times should my brother wrong me that I should forget his sin? until the completion of seven times? and Jesus answered and said: I do not say to you until the completion of seven times but until the completion of seventy seven times

14.1.36. CL36[39] – WUR, WÜRI, WÜR [wɨri]

contents of receptacles like a bowl, glass, open mouthed containers, but not storage vessels (bottles, etc.)

Category 39 only applies if a substance is in an open container ready to be consumed, but not in a closed container for storage.
Johnson (2002:185-187) indicates continued use among pre-1970s generation.

339.
auurin aiu ebök SvN35
NP+36[39] even AB+water
seven full drinking bowls of water [7 volle Trinkschalen]

340.
ekarawä aiwurin NG14
AB+coconut.toddy one+CL36[39]
one coconut-shellfull of toddy

341.
ebõk ñawũrin õbaõadsin Nu 5:23
AB+water E+c;36[39+ bitter
water (the contents of which vessel) is bitter

342.
ñag ion enaña etab in wein bwe[45] enim eida awurin aijima dõbaket in wein,
TEMP+ INDF 3S.DEP+go.to AB+tub CONS wine for 3S.DEP+MOD draw.up NP+CL36[39] fifty bucket CONS wine
mi ta awururuma erak Hag 2:16
& only NP+CL36[39]+twenty sole
when one went to the wine-vat to draw out fifty buckets of wine, there were just twenty (full containers)

Also used figuratively for membership (of clubs, congregations) (see *Nauru Grammar p.40*).

343.
müwurine amene kamie ![52] NG40
NEII+CL36[39]+PROX four+ANIM+PROX 2P.IND
you four members of the club here!

344.
miniwurine aeö büne kamie![52] NG41
NEI+CL36[39]+PROX GPOS+1S.POS ANIM.P+PROX 2P.IND
you, members of my flock/congregation; you, members of my entourage

14.2. Classificatory Cardinal Numerals Low Numerals 1 – 4.

The low numerals have forms that are formed by fusing the numeral to the classifier and presumably this pattern arose with the most frequently used numeral combinations (this is referred to as the "special concrete numeral" in Kayser 1936:69 ff).

The low numerals 1 – 4 are formed thus:

Numeral Prefix '*a-*' + numeral root + Classifier

Table 17. Classificatory Cardinal Numerals 1 – 4.

Classifier No. [Kayser's No.]	1	2	3	4
1 [16] ae [aɻæ]	aiaen	aruae	aijiae	aae
2 [17] baño/bango/baṅo [bʌŋo]	aibaṅon	arubaṅo	aijibaṅo	abaṅo
3 [8] be/bä [be]	aibän	arabä	aijibä	abä
4 [10] bõk/bog/bög [bɻəg]	aibögen	arabög	aijibög	abög
5 [11] bũm/bum/büm[bɨm]	aibümin	arabüm	aijụbüm	eabüm
6 [32] bwere/buere [bʷere]	aibueren	arabuer	aijụbuer	abuer
7 [19/18] bwetsi/bweti/bueti~ mwetsi/mweti/mueti [bweitˢi~bwei3i/ mweitˢi~mwei3i]	aibuetin aimuetin	arabueij aramueij	aijụbueij aijụmweij	abueij amueij
8 [34] dume [duume]	aidumen	arodum	aijidum	adum
9 [20] ea [eɻæ]	aian	arua	aija	aea
10 [15] eb/äb [eb]	aiben	aräb	aijäb	ab
11 [7] eiji/eiyi [e3i]	aeijin	areij	aeijeij	aeiji
12 [5] eo [eɻo]	aion	ara	aija	aea
13 [12] ga [gʌ]	aigan	aruga	aijiga	aga
14 [24] ga/gạ [gæ]	aigạn	arugạ	aijigạ	agạ
15 [13] ime [ime]	aimen	arim	aijim	am
16 [38] in [ɲiin]	ain	arin	aijin	an
17 [35] ine/inä [iine]	ainän	arinä	aijinä	anä
18 [14] ire [ire]	airen	arure	aijir	ar
19 [36] iw [iw]	aiwin	ariw	aijiw	aw
20 [21] ke/kä [ke]	aikän	arukä	aijikä	akä
21 [4] mae/ma [mɲai]	aimaen	arumae	aijimae	amae
22 [25] mage/magä [mʌge]	aimagä	arumagä	aijimagä	amagä
23 [22] mwari/mari [mʷʌrʰi]	aimarin	arumari	aijimari	amari
24 [26] mwe/muö [mwə]	aimuön	aram	aijom/aiyom	am
25 [31] mweij/mweiyi/i/mueiji[mweiɜi]	aimueijin	arumueij	aijụmueij	amueij
26 [27] nge/ñe/ngä/ṅe [ŋe]	aiṅen	aruaṅe	ainaṅe	aṅe
27 [6] oe/oä [oʷe]	aioän	aruoä	aijoä	aoä
28 [37] pañ/pang/pa₌ṅ	aipaṅin	arupaṅ	aijipaṅ	apaṅ

[paŋ]				
29 [30] powi [poʷi]	aipowin	arupowi	aijipowi	apowi
30 [3] ra [rʰæ]	airan	arura	aijira	ara
31 [28] rä [rre]	airän/	ararä	aijirä	arä
32 [29] tete/dete [rere]	aiteten	arueteta	aijiteta	ateta
33 [9] wa/wa̲ [wa]	aiwa̲n	aruwa̲	aijiwa̲	awa̲
34 [33] wime [wiime]	aiwimen	arowim	aijuwim	awim
35 [23] wõri/wori/wöri [wʌri]	aiwörin	aruwöri	aijuwöri	awöri
36 [39] wür/wur/wür [wɨr]	aiwürin	arowür	aijuwür	awür

Notes:

(1) The classifier numeral in brackets is the classifier numeral found in Kayser's *Nauru Grammar* .

(2) The phonetic transcriptions in square brackets are taken from Johnson 2002.

(3) In Kayser's *Nauru Grammar, "u"* is described as a "semi vowel" when preceded by *m* or *p* or *b* and followed by a vowel, and is "hardly discernible from the pronunciation of *w"* (see *Nauru Grammar* p.2). What Kayser is here describing are the velarized forms of m, p and b (written as mˠ, pˠ, and bˠ in Hughes' study (2020).

(4) The dipthongs *ai-/ae-* in the numerals are usually pronounced "*e*" in contemporary Nauruan.

(5) The dipthongs *ao-/au-* in numerals are usually pronounced *"o-"* in contemporary Nauruan.

(6) Intervocalic *-j-/-y-* in the numerals (as elsewhere) is moving from a palatal glide /*j*/ towards a fricated allophone, [*ʝ*] in contemporary Nauruan.

(7) variant spellings: there are a number of variant spellings found in Kayser's *Nauru Grammar*, i.e.:

mari = mwari
muö = mwe
rä = rre/re
a̤ = a/æ
a̲ = a
ä = e
äij = ei/eiy
ö = õ/o
u̬ = ü/u: in Kayer's *Grammar* there is some variation in spelling with *u̬* and *i*
ü = ũ/u
uä = u̬e/we
ue = u̬e/we
uäti = u̬etsi/wetsi/weti
ueij = u̬eij/wei/weiy
ṅ = ñ/ng
q, qu = kw

Examples:

345.
amae etabuike NG14
four+CL21[4] AB+stick
four sticks

346.
aijira itüber a äewöṅ NG216
three+CL30[3] AB+mat 1S.DEP weave+SUCC
I wove to success three mats

347.

aijibä a öepoijwöṅ NG216
three+CL3[8] 1S.DEP FAC+gather.together+APPL+SUCC
I gathered up three coconut palm fronds

348.

öni kö itüber aijira arura NG216
bring COMM AB+mat three+CL30[3] two+CL30[3]
bring two or three mats

349.

öni kö ebäni aijibä arabä NG216
bring COMM AB+coconut.leaf three+CL3[8] two+CL3[8]
bring two or three coconut palm fronds

350.

ara wagen me aoju ochsen Num 7:8
four+CL30[3[] waggon & eight oxen
four waggons and eight oxen

351.

A nan gadũg aijimae mwit[39] dobonara itañin 1Sa 20:20
1S.DEP UNR strain three+CL21[4] edge+CONS bow by+3S.POS
I will shoot three arrows alongside it

352.

aijõrre epe ñana ã[35] eaij 1Ki 7:12
three+CL31[28] AB+stone E+MED.P 3S.DEP cut
three rows of hewn stones

353.

Jona emek ian ijen bita iũ ean aijũbũm iaõ
Jonah 3S.DEP+dwell in+3S.POS belly+CONS NEIII+MED fish on+3S.POS three+CL5[11] AB+light
ma aijũbũm ibũm Matt 12:40
& three+CL5[11] AB+night
Jonah was in the belly of the fish for three days and three nights

354.

tekeiy amea Jonas ie[9] meg ian burioun bita iu ean aiyubum
like male+MED Jonah COND dwell in+3S.POS innards+3S.POS NEIII+MED fish on+3S.POS three+CL5[11]
yobum me yaran Matt 12:40 1976
LOC+night & LOC+day
like Jonah when he was in the belly of the fish for three nighttimes and daytimes

355.

aijuwõri iraeõneõ[67] edabike 2Co 11:25
three+CL35[23] strike+COM+1S.GER AB+stick
three times my being struck with a rod

356.

aiyuwori wipeiyeo 2Co 11:25 1976
three+CL35[23] whip+APPL+1S.GER
three times my being whipped

357
aiworin tamwidoneo epe 2Co 11:25 1976
one+CL35[23] pelt+COM+1S.GER AB+stone
one time/once my being stoned with stones

358.
aijuwõri an baõ waña deimanu ñag A õreita baraw 2Co 11:25
three+CL35[23] GPOS+3S.POS break RPOS+1S.POS ship TEMP+ 1S.DEP PROG sail
three times the breaking up of my boat when I was sailing/the boats I sailed in were shipwrecked three times]

359.
aiyuwori an gaturae eow imago wonga deimanu 2Co 11:25 1976
three+CL35[23] GPOS+3S.POS accident DIR LOC+sea RPOS+1S.POS ship
three times my boat's accidents at sea

360.
agapum me ran ean aibumwin atet 2Co 11:25 1976
1S.DEP+spend.the.night & day on+3S.POS one+CL5[11] on.surface.of.sea
I spent the night and day for one day in the deep

361.
oliva arue Rev 11:4
olive two+CL27[6]
[two olive trees]

362.
schafe aijipowi ro mamäquor inna Nuw 16:4
sheep three+CL29[30] 3P.DEP lie+RED there
three flocks of sheep were continually resting there

363.
arupowien wanga imin ö gökörö Nuw 17:2
two+CL29[30]+PERF RPOS+1S.POS AB+thing 3S.DEP run+RED
my animals have now become two herds

364.
arowuri [sic, aruwori] towen Gott in pan a amätimena patriarchen Abraham
two+CL35[23] opportunity+CONS God CONS speak to male+three+MED patriarchs Abraham
me Isaac me Jacob Nuw 29:1
& Isaac & Jacob
two occasions of God speaking to the three patriarchs Abraham Isaac and Jacob

365.
aijuworien öügan towen Nuw 45:2
three+CL35[23]+PERF be.so+PERF opportunity+3S.POS
the occasions of being so have now become three times

366.
eaibumin iruwin me Jesus erowiow Bethania me onow Jerusalem NuwNT 59:1
four+CL5[11]+CONS afer+3S.POS & Jesus 3S.;POS+leave Bethany & 3S.DEP+go.to Jerusalem
four days later Jesus left Bethany and went to Jerusalem

367.

wo nim eke aibwetsin bũriõ bwe[46] enimõ miow egõm Ps86:11
2S.DEP MOD make one+CL7[18/19] innards+1S.POS for 3S.DEP+MOD fear name+3S.POS
make one my heart / unite my heart that I may fear your name

368.

õten amon mõ õten amotañitañ aũra mek edetsini eat[21] etañ ñea ta aiquen me aibwetsin bũriõũra Ps133:1
how good+3S.POS & how good+SUP GPOS+3P.POS dwel l brother+RED+MUT on+3S.POS AB+place E+MED only one & one+CL7[18/19] innards+3P.POS
look! how good and how most good their dwelling as brothers in one place and with one heart / in unity

369.

teon aibwetin burioura John 9:16 1976
only+3S.IND+PERF one+CL7[18/19] innards+3P.POS
there was a division among them

370.

amebuna re ekeiduwen re meg in aibwetin burioura Ac 2:44 1976
male+ANIM.P+MED 3P.DEP believe 3P.DEP dwell CONS one+CL7[18/19] innards+3P.POS
those ones believing dwelt in unity

14.2.1. Phonological Changes with Classificatory Cardinal Numerals 1-4.

There are a number of phonological changes with fused forms of the low numerals.

I am unable to account for the factors triggering vowel sandhi.

14.2.1.1. Forms for 1.

Where the Classifier is vowel-initial, there are phonological changes, except for CL27[6], oe.

i.e.:

ai	+ CL9[20] ea	+ -n	>	ai.ea.n	>	aian
ai	+ CL10[15] eb(e)	+ -n	>	ai.ebe.n	>	aiben
ai	+ CL12[5] eo	+ -n	>	ai.eo.n	>	aion
ai	+ CL15[13] im(e)	+ -n	>	ai.ime.n	>	aimen
ai	+ CL16[38] in(i)	+ -n	>	ai.ini.n	>	ain
ai	+ CL17[35] in(e)	+ -n	>	ai.ine.n	>	ainen
ai	+ CL18[14] ire	+ -n	>	ai.ire.n	>	airen
ai	+ CL19[36] iw(i)	+ - n	>	ai.iwi.n	>	aiwin
ai	+ CL27[6] oe	+ -n	>	ai.oe.n	>	aioen

14.2.1.2. Forms for 2.

There are phonological changes throughout these forms, with no identifiable pattern.

Where the Classifier is vowel-initial:

aro	+ CL1[16] ae	>	aro.ae	>	aruae
aro	+ CL9[20] ea	>	aro.ea	>	arua
aro	+ CL10[15] eb(e)	>	aro.ebe	>	areb
aro	+ CL11[7] eiyi	>	aro.eiyi	>	areiy
aro	+ CL12[5] eo	>	aro.eo	>	ara
aro	+ CL15[13] im(e)	>	aro.ime	>	arim
aro	+ CL16[38] in(i)	>	aro.ini	>	arin
aro	+ CL17[35] in(e)	>	aro.ine	>	arine
aro	+ CL18[14] ire	>	aro.ire	>	arure

aro	+ CL19[36] iw(i)	>	aro.iwi	>	ariw
aro	+ CL27[6] oe	>	aro.oe	>	aruoe

The form ‘ara-‘ is found with:

aro	+ CL3[8] be	>	aro.be	>	arabe
aro	+ CL4[10] bog(e)	>	aro.boge	>	arabog
aro	+ CL5[11] bum(i)	>	aro.bumi	>	arabum
aro	+ CL6[6] bwer(e)	>	aro.bwere	>	arabwer
aro	+ CL7[18/19]	>	aro.bweiy	>	arabweiy
		>	aro.mweiy	>	aramweiy
aro	+ CL24[26] mwe	>	aro.mwe	>	aram
aro	+ CL31[28] re	>	aro.re	>	arare

The form ‘aro’ is found with:

aro	+ CL8[34] dum(e)	>	aro.dume	>	arodum
aro	+ CL34[33] wime	>	aro.wime	>	arowim
aro	+ CL36[39] wur(i)	>	aro.wuri	>	arowur

The following two classifiers have an additional vowel:

aro	+ CL26[27] nge	>	aro.nge	>	aroange
aro	+ CL32[29] teta	>	aro.teta	>	aroeteta

The remaining classifiers have the form ‘aru’, i.e. classifiers:

1[16], 2[17], 13[12], 14[24], 20[21], 21[4], 22[25],23[22], 25[31], 28[37],29[30], 30[3], 33[9], and 35[23].

14.2.1.3. Forms for 3.

Where the Classifier is vowel-initial:

aiyu	+ CL1[16] ae	>	aiyu.ae	>	aiyiae
aiyu	+ CL9[20] ea	>	aiyu.ea	>	aiya
aiyu	+ CL10[15] eb(e)	>	aiyu.ebe	>	aiyeb

aiyu	+ CL11[7] eiyi	>	aiyu.eiyi	>	aeiyeiy
aiyu	+ CL12[5] eo	>	aiyu.eo	>	aiya
aiyu	+ CL15[13] im(e)	>	aiyu.ime	>	aiyim
aiyu	+ CL16[38] in(i)	>	aiyu.ini	>	aiyin
aiyu	+ CL17[35] in(e)	>	aiyu.ine	>	aiyine
aiyu	+ CL18[14] ire	>	aiyu.ire	>	aiyir
aiyu	+ CL19[36] iw(i)	>	aiyu.iwi	>	aiyiw
aiyu	+ CL27[6] oe	>	aiyu.oe	>	aiyoe

The form ‘aiyi’ is found with classifiers:

2[17], 3[8], 4[10], 8[34], 13[12], 14[24], 20[21], 21[4], 22[25], 23[22], 28[27], 29[30], 30[3], 31[8], 32[29], and 33[9].

These two are distinct:

aiyu	+ CL24[26] mwe	> aiyu.mwe	>	aiyom
aiyu	+ CL26[27] nge	> aiyu.nge	>	ainange

The remainder have the form ‘aiyu’, i.e. classifiers:

5[11], 6[32], 7[18/19], 25[31], 34[33], 35[23] and 36[39].

14.2.1.4. Forms for 4.

These forms are distinct:

a	+ CL5[11] bum	> a.bum	>	eabum
a	+ CL10[15] eb	> a.eb	>	ab
a	+ CL12[5] eo	> a.eo	>	aea
a	+ CL15[13] ime	> a.ime	>	am
a	+ CL16[38] in	> a.in	>	an
a	+ CL17[35] ine	> a.ine	>	ane

a	+ CL18[14] ire	> a.ire	>	ar
a	+ CL19[36] iw	> a.iw	>	aw
a	+ CL24[26] mwe	> a.mwe	>	am

14.3. Classificatory Cardinal Numerals – without fused forms.

Apart from the fused forms , the classificatory cardinal numerals are formed thus:

Classificatory Numeral Particle + General Cardinal Numeral

Example:

Using Classifier 30[3] *ra*

Table 18. Indicative Table: Classificatory Cardinal Numeral Low Numerals 1 - 9 using Classifier 30[3] 'ra'.

Numeral	Classificatory Numeral Particle	Numeral
1	(fused form, airan)	
2	(fused form, arura)	
3	(fused form, aiyira)	
4	(fused form, arara)	
5	aran	aiyimo
6	aran	ango
7	aran	aeiu
8	aran	oiyu
9	aran	ado

Note: Classificatory Cardinal Numeral for 5 has a fused form in use alongside 'aran aiyimo' - 'aratiyimo'.

14.3.1. Formation of the Classificatory Numeral Particle.

The formation of the Classificatory Numeral Particle follows a regular pattern:

Numeral Prefix *a-* + Classifier + *-n* (probably fossilized construct suffix)

Table 19. Classificatory Numeral Particles.

Classifier No. [Kayser's No.]	Numeral Prefix
1 [16] ae [aj̇æ]	aaen/aen
2 [17] baño/bango/baṅo [bʌŋo]	abangon
3 [8] be/bä [be]	aben
4 [10] bõk/bog/bög [bj̇əg]	abogen
5 [11] bũm/bum/büm[bɨm]	abumin
6 [32] bwere/buere [bʷere]	abweren
7 [19/18] bwetsi/bweti/bueti~ mwetsi/mweti/mueti [bweitˢi~bwei3i/ mweitˢi~mwei3i]	abwetin amwetin
8 [34] dume [duume]	adumen
-9 [20] ea [ej̇æ]	aean
10 [15] eb/äb [eb]	aeben
11 [7] eiji/eiyi [e3i]	aeijin
12 [5] eo [ej̇o]	aeon
13 [12] ga [gʌ]	agan
14 [24] ga/gạ [gæ]	agạn
15 [13] ime [ime]	aimen
16 [38] in [j̇iin]	ainin
17 [35] ine/inä [iine]	ainen
18 [14] ire [ire]	aren
19 [36] iw [iw]	aiwin
20 [21] ke/kä [ke]	aken
21 [4] mae/ma [mj̇ai]	amaen
22 [25] mage/magä [mʌge]	amagän
23 [22] mwari/mari [mʷʌrʰi]	amarin
24 [26] mwe/muö [mwə]	amwen
25 [31] mweij/mweiyi/i/mueiji[mwei 3i]	amweiyin
26 [27] nge/ñe/ngä/ṅe [ŋe]	angen
27 [6] oe/oä [oʷe]	aoen
28 [37] pañ/pang/pa₌ṅ [paŋ]	apangin
29 [30] powi [poʷi]	apowin
30 [3] ra [rʰæ]	aran
31 [28] rä [rre]	aren
32 [29] tete/dete [rere]	ateten
33 [9] wa/wa₌ [wa]	awan
34 [33] wime [wiime]	awimin
35 [23] wõri/wori/wöri [wʌri]	aworin
36 [39] wũr/wur/wür [wɨr]	awurin

14.4. Fused Forms of the Classificatory Cardinal Numerals High Numerals.

The fused forms of the high numerals are formed thus:

Classificatory Numeral Particle + numeral root

Example:

Classifier 30[3] ‘ra’

Table 20. Indicative Table: Formation of Classificatory Cardinal Numeral High Numerals using Classifier 30[3] ‘ra’.

Numeral	Classificatory Numeral Particle	Numeral Root	End Form
5	aran	iyimo	aratiyimo
10	aran	ta	arata
20	aran	ruma	araruma
30	aran	iyimo	aratimo
50	aran	iyima	aratima
90	aran	duma	araduma
100	aran	ibu	aratebu
200	aran	robu	ararobu
300	aran	iyubu	aratiyibu
500	aran	iyimower	aratimower

Table 21. Classificatory Cardinal Numerals High Numerals – fused forms

Classifier No. [Kayser's No.]						
1 [16] ae [aiæ]	5 aetijimo 100 aetebu	10 aeta 200 aerobu	20 aeruma 300 aetijibu	30 aetimo 500 aetimouer	50 aetima	90 aeduma
2 [17] bañ o/bango/bañ o [bʌŋo]	5 abañ otijimo 100 abañ otebu	10 abañ ota 200 abañ orobu	20 abañ oruma 300 abañ otijibu	30 abañ otimo 500 abañ otimouer	50 abañ otima	90 abañ oduma
3 [8] be/bä [be]	5 abätijimo 100 abätebu	10 abäta 200 abärobu	20 abäruma 300 abätijibu	30 abätimo 500 abätimouer	50 abätima	90 abäduma
4 [10] bök/bog/bög [bɵg]	5 abögetijimo 100 abögetebu	10 abögeta 200 abögerobu	20 abögeruma 300 abögetijibu	30 abögetimo 500 abögetimouer	50 abögetima	90 abögeduma
5 [11] büm/bum/büm[bɨm]	5 abümitijimo 100 abümitebu	10 abümita 200 abümirobu	20 abümiruma 300 abümitijibu	30 abümitimp 500 abümitimouer	50 abümitima	90 abümiduma
6 [32] bwere/buere [bʷere]	5 abueretijimo 100 abueretebu	10 abuereta 200 abuererobu	20 abuereruma 300 abueretijibu	30 abueretimo 500 abueretimouer	50 abueretima	90 abuereduma
- 7 [19/18] bwetsi/bweti/buäti~ mwetsi/mweti/muäti [bweitˢi~bweiʒi/ mweitˢi~mweiʒi]	5 abuätitijimo amuätitijimo 100 abuätitebu amuätitebu	10 abuätita amuätita 200 abuätirobu amuätirobu	20 abuätiruma amuätiruma 300 abuätitijibu amuätitijibu	30 abuätitimo amuätitimo 500 abuätitimouer amuätitimouer	50 abuätitima amuätitima	90 abuätiduma amuätiduma
8 [34] dume [duume]	5 adumetijimo 100 adumetebu	10 adumeta 200 adumerobu	20 adumeruma 300 adumetijibu	30 adumetimo 500 adumetimouer	50 adumetima	90 adumeduma
9 [20] ea [eiæ]	5 aeatijimo 100 aeatebu	10 aeata 200 aearobu	20 aearuma 300 aeatijibu	30 aeatima 500 aeatimouer	50 aeatima	90 aeaduma
10 [15] eb/äb [eb]	5 aäbetijimo 100 aäbetebu	10 äbeta 200 aäberobu	20 aäberuma 300 aäbetijibu	30 aäbetimo 500 aäbetimouer	50 aäbetima	90 aäbeduma
11 [7] eiji/eiyi [eʒi]	5 aeijitijimo 100 aeijitebu	10 aeijita 200 aeijirobu	20 aeijiruma 300 aeijitijibu	30 aeijitimo 500 aeijitimouer	50 aeijitima	90 aeijiduma
12 [5] eo [eio]	5 aeotijimo 100 aeotebu	10 aeota 200 aeorobu	20 aeoruma 300 aeotijibu	30 aeotimo 500 aeotimouer	50 aeotima	90 aeoduma
13 [12] ga [gʌ]	5 agatijimo 100 agatebu	10 agata 200 agarobu	20 agaruma 300 agatijibu	30 agatimo 500 agatimouer	50 agatima	90 agaduma
14 [24] ga/gạ [gæ]	5 aga tijimo 100 aga tebu	10 aga ta 200 aga robu	20 aga ruma 300 aga tijibu	30 aga timo 500 aga timouer	50 aga tima	90 aga duma
15 [13] ime [ime]	5 aimetijimo 100 aimetebu	10 aimeta 200 aimerobu	20 aimeruma 300 aimetijibu	30 aimetimo 500 aimetimouer	50 aimetima	90 aimeduma
16 [38] in [iin]	5 ainitijimo 100 ainitebu	10 ainita 200 ainirobu	20 ainiruma 300 ainitijibu	30 ainitimo 500 ainitimouer	50 ainitima	90 ainiduma
17 [35] ine/inä [iine]	5 ainätijimo 100 ainätebu	10 ainäta 200 ainärobu	20 ainäruma 300 ainätijibu	30 ainätimo 500 ainätimouer	50 ainätima	90 ainäduma
18 [14] ire [ire]	5 airetijimo 100 airetebu	10 aireta 200 airerobu	20 aireruma 300 airetijibu	30 airetimo 500 airetijimouer	50 airetima	90 aireduma
19 [36] iw [iw]	5 aiwitijimo 100 aiwitebu	10 aiwita 200 aiwirobu	20 aiwiruma 300 aiwitijibu	30 aiwitima 500 aiwitimouer	50 aiwitima	90 aiwiduma
20 [21] ke/kä [ke]	5 akätijimo 100 akätebu	10 akäta 200 akärobu	20 akäruma 300 akätijibu	30 akätimo 500 akätimouer	50 akätima	90 akäduma
21 [4] mae/ma [miai]	5 amaetijimo 100 amaetebu	10 amaeta 200 amaerobu	20 amaeruma 300 amaetijibu	30 amaetimo 500 amaetimouer	50 amaetima	90 amaeduma
22 [25] mage/magä [mʌge]	5 amagätijimo 100 amagätebu	10 amagäta 200 amagärobu	20 amagäruma 300 amagätijibu	30 amagätimo 500 amagätimouer	50 amagätima	90 amagäduma
23 [22] mwarí/mari [mʷʌrʲi]	5 amaritijimo 100 amaritebu	10 amarita 200 amarirobu	20 amariruma 300 amaritijibu	30 amaritimo 500 amaritimouer	50 amaritima	90 amariduma
24 [26] mwe/muö [mwə]	5 amuötijimo 100 amuötebu	10 amuöta 200 amuörobu	20 amuöruma 300 amuötijibu	30 amuötimo 500 amuötimouer	50 amuötima	90 amuöduma
25 [31] mweiji/mweiyi/i/mueiji [mweiʒi]	5 amueijitimo 100 amueijitebu	10 amueijita 200 amueijirobu	20 amueijiruma 300 amueijitijibu	30 amueijitimo 500 amueijitimouer	50 amueijitima	90 amueijiduma
26 [27] nge/ñe/ngä/ñä [ŋe]	5 anätijimo 100 anätebu	10 anäta 200 anärobu	20 anäruma 300 anätijibu	30 anätimo 500 anätimouer	50 anätima	90 anäduma

27 [6] oe/oä [oʷe]	5	10	20	30	50	90
	aoātjimo	aoāta	aoāruma	aoātimo	aoātima	aoāduma
	100	200	300	500		
	aoātebu	aoārobu	aoātjibu	aoātimouer		
28 [37] pañ/pang/ pa_ṅ [paŋi]	5	10	20	30	50	90
	apañitjimo	apañita	apañiruma	apañitimo	apañitima	apañiduma
	100	200	300	500		
	apañitebu	apañirobu	apañitjibu	apañitimouer		
29 [30] powi [poʷi]	5	10	20	30	50	90
	apowitjimo	apowita	apowiruma	apowitimo	apowitima	apowiduma
	100	200	300	500		
	apowitebu	apowirobu	apowitjibu	apowitimouer		
30 [3] ra [rᵊæ]	5	10	20	30	50	90
	aratjimo	arata	araruma	aratimo	aratima	araduma
	100	200	300	500		
	aratebu	ararobu	aratjibu	aratimouer		
31 [28] re/rä [rre]	5	10	20	30	50	90
	arätjimo	arāta	arāruma	arätimo	arätima	arāduma
	100	200	300	500		
	arätebu	arārobu	arätjibu	arätimouer		
32 [29] tete/dete [rere]	5	10	20	30	50	90
	atetetjimo	ateteta	ateteruma	atetetimo	atetetima	ateteduma
	100	200	300	500		
	atetetebu	ateterobu	atetetjibu	atetetimouer		
33 [9] wa/wa_ [wa]	5	10	20	30	50	90
	awa_tjimo	awa_ta	awa_ruma	awa_timo	awa_tima	awa_duma
	100	200	300	500		
	awa_tebu	awa_robu	awa_tijibu	awa_timouer		
34 [33] wime [wiime]	5	10	20	30	50	90
	awimetjimo	awimeta	awimeruma	awimetimo	awimetima	awimeduma
	100	200	300	500		
	awimetebu	awimerobu	awimetjibu	awimetimouer		
35 [23] wōri/wori/wōri [wʌri]	5	10	20	30	50	90
	awōritjimo	awōrita	awōriruma	awōritimo	awōritima	awōriduma
	100	200	300	500		
	awōritebu	awōrirobu	awōritjibu	awōritimouer		
36 [39] wūr/wur/wūr [wiri]	5	10	20	30	50	90
	awūritjimo	awūrita	awūriruma	awūritimo	awūritima	awūriduma
	100	200	300	500		
	awūritebu	awūrirobu	awūritjibu	Awūritimouer-		

Notes:

(1) The classifier numeral in square brackets is the classifier numeral found in Kayser's *Nauru Grammar* .

(2) The phonetic transcriptions in square brackets are taken from Johnson 2002.

(3) In Kayser's *Nauru Grammar, "u"* is described as a "semi vowel" when preceded by *m* or *p* or *b* and followed by a vowel, and is "hardly discernible from the pronunciation of *w"* (see *Nauru Grammar* p.2). What Kayser is here describing are the velarized forms of m, p and b (written as mʸ, pʸ, and bʸ in Hughes' study (2020).

(4) The dipthongs *ai-/ae-* in the numerals are usually pronounced "*e*" in contemporary Nauruan.

(5) The dipthongs *ao-/au-* in numerals are usually pronounced *"o-"* in contemporary Nauruan.

(6) Intervocalic *-j-/-y-* in the numerals (as elsewhere) is moving from a palatal glide /j/ towards a fricated allophone, [j̬] in contemporary Nauruan.

(7) variant spellings: there are a number of variant spellings found in Kayser's *Nauru Grammar*, i.e.:

mari = mwari
muö = mwe
rä = rre/re
a̤ = a/æ
a̲ = a
ä = e
äij = ei/eiy
ö = õ/o
u̬ = ü/u: in Kayer's *Grammar* there is some variation in spelling with *u̬* and *i*
ü = ũ/u
uä = u̬e/we
ue = u̬e/we
uäti = u̬etsi/wetsi/weti
ueij = u̬eij/wei/weiy
ṅ = ñ/ng
q, qu = kw

Examples:

371.

ñaga aworitaen aũra õijõ eñame memak ñabũne
TEMP+MED NP+CL35[23]+ten+PERF GPOS+3P.POS test+1S.OBJ AB+person all E+ANIM.P+PROX
ñabũna ro ogiten ãt raitsitũ ma aeõ tema ñana emakur in
E+ANIM.P+MED 3P.DEP COMPL see glory+1S.POS & GPOS+1S.POS sign E+MED.P AB+work CONS
kamadauniñ ñan A ririñ iow Ãgypten me eat etomagage Nu 14:22
amaze E+P+ 1S.DEP do DIR Egypt & on+3S.POS AB+wilderness
at that time it was already ten times their testing me, all these people, those ones who had seen my glory and my signs which were wondrous works which I performed in Egypt and in the wilderness

372.

bwa A ogiten mwit obwenin aũra ibaka ea aw bwi tekei
for 1S.DEP COMPL divide year+CONS GPOS+3P.POS AB+bad to t o + 2S.OBJ for like
ebakit[21] ibũm, ñana abũmitijubu ma aduma Eze 4:5
numerous+CONS AB+day E+MED.P NP+CL5[11]+three.hundred & ninety
for I have judged the years of their badness for them as according to the number of days, three hundred and ninety days

373.

iat[21] ecclesia a eeng eken[62] ia[9] a nim odorer an aeo kamarar
in+3S.POS ecclesia 1S.DEP desire INDF+CL20[21] COND 1S.DEP MOD FAC+talk COM2 GPOS+1S.POS think
eow eat[21] engog o aiyitiyimo 1Co 14:19 1976
DIR on+3S.POS AB+word FV NP+CL11[7]+five
in the ecclesia I desire more if I should make to speak with it my thoughts by five words

374.

memag ñabüne emman re eät memag müñana itema ñan a ririñiow
all E+ANIM.P+PROX AB+male 3P.DEP see all NEII+MED.P AB+sign E+MED.P 1S.DEP do+DIR
Ägypten ñago me iat[39] tomgage, awuritaen aüra uij buriö Nuw 42:3
Egypt TEMP+DIST & in+3S.POS wilderness NP+CL35[23]+ten+PERF GPOS+3P.POS test innards+1S.POS
all these men saw all these sign that I performed in Egypt before and in the wilderness, it has already been ten times their testing my spirit

14.4.1. Phonological Changes with Classificatory Cardinal Numerals High Numerals.

Kayser lists forms for 5, 10, 20, 30, 50, 90, 100, 200, 300, and 500, that have undergone phonological changes.

It appears these phonologically changed forms were optional, in that forms not having undergone phonological changes were used alongside these.

Using Classifier 30[3] as an example (CL30[3] - objects presenting a flat surface), the following phonological changes can be seen:

Form for 5 objects of Classifier 30[3]:
Classificatory Numeral Particle aran + aijimo/aiyimo > aran aijimo

> aran iyimo (by syncope)

> aratiyimo (by denasalization)

Form for 10 objects of Classifier 30[3]:
Classificatory Numeral Particle aran + ata > aran ata

> aran ta (by syncope)

> arata (by regressive assimilation)

Forms for 20 objects of Classifier 30[3]:
Classificatory Numeral Particle aran + aruma > aran aruma

> aran ruma (by syncope)

> araruma (by regressive 'r' assimilation)

Form for 30 objects of Classifier 30[3]:
Classificatory Numeral Particle aran + animo > aran animo

> aran imo (by syncope)

> aratimo (by denasalization)

Form for 50 objects of Classifier 30[3]:
Classificatory Numeral Particle aran + aiyima > aran aiyima

> aran iyima (by syncope

> aratiyima (by denasalization)

> aratima (by syncope)

Form for 90 objects of Classifier 30[3]:
Classificatory Numeral Particle aran + -n + aduma > aran aduma

> aran duma (by syncope)

> araduma (by regressive assimilation)

Form for 100 objects of Classifier 30[3]:
Classificatory Numeral Particle aran + aibu > aran aibu

> aran ibu (by syncope)

> aratibu (by denasalization)

> aratebu (lowering of vowel)

Form for 200 objects of Classifier 30[3]:
Classificatory Numeral Particle aran + arobu > aran arobu

> aran robu (by syncope)

> ararobu (by regressive 'r' assimilation)

Form for 300 objects of Classifier 30[3]:
Classificatory Numeral Particle aran + aiyubu > aran aiyubu

> aran iyubu (by syncope)

> aratiyubu (by denasalization)

Form for 500 objects of Classifier 30[3]:
Classificatory Numeral Particle aran + aijimowar/aiyimower > aran aiyimower

> aran iyimower (by syncope)

> aratiyimower (by denasalization)

> aratimower (by syncope)

14.4.2. Contemporaneous Use of Non-Fused Forms.

As stated earlier, it appears that the phonologically changed forms were optional, in that forms not having undergone phonological changes are used alongside these.

Examples:

375.
aran aijimo ekaramwai ã nim quõr õepoi ũra Ex26:3
NP+CL30[3] five AB+curtain 3S.DEP MOD bind FAC+together+APPL 3P.OBJ
Five curtains should be bound together (the fused form is aratiyimo)

376.
aran aijimo dõbaket in weizen ñana ã[35] karei 1Sa25:18
NP+CL30[3] five bucket CONS grain E+MED.P 3S.DEP roast
five buckets of grain that has been roasted (the fused form is aratiyimo)

377.
Jehova eke awõrin aibu ebakin an ñame 1Chr 21:3
Jehovah make NP+CL35[23] one.hundred many+CONS GPOS+3S.POS people
may Jehovah make the number of his people one hundred fold/one hundred times (the fused form is aworitebu)

378.
e ririñ aran arobu schilde ñan oniñ atsin ean gold ñana ã[35] kabõgei 2Chr 9:16
3S.DEP do NP+CL30[3] two.hundred shields E+P+ small from+3S.POS on+3S.POS gold E+MED.P 3S.DEP beat.out+APPL
he made two hundred small shields from beaten out gold (the fused form is ararobu)

379.
aran aijubu chariot 2Chr 14:9
NP+CL30[3] three.hundred chariot
three hundred chariots (the fused form i s aratiyubu)

380.
A teñ eken[62] pan aeijin aijimo eñõg iat[21] ecclesia 1Co 14:19
1S.DEP want INDF+20[21] speak NP+CL11[7] five AB+word in+3S.POS ecclesia
I wish more to speak five words in the ecclesia (the fused form is aeiyitiyimo)

381.
aworin aiyima [sic; aiyimo] iraeeo… eow turin ngabuna juden 2Cor 11:24 1976
NP+CL35[23] five strike+1S.GER DIR by+3S.POS E+ANIM.P+MED jews
five times my being struck by the Jews (the fused form aworitiyimo exists)

382.
abumiten o aijimo ñaga Nuw1:5
NP+CL5[11]+PERF FV five TEMP+MED
it was then five days at that time (the fused form is abumitiyimo is expected)

14.5. Compound Classificatory Numerals High Numerals.

The first element is the fused classificatory numeral, with any intervening numerals being taken from the General Cardinal Numeral set.

Where no fused form exists, the Classificatory Numeral Particle is followed by numerals taken from the General Cardinal Numeral set.

Table 22. Indicative Table of compound Classificatory Numeral using Classifier 29[30] powi.

11 apowita m aiquõn	12 apowita m aro	13 apowita m aiju	14 apowita m aeoq	15 etc apowita m aijimo
21 apowiruma m aiquõn	22 apowiruma m aro	23 apowituma m aiju	24 apowiruma m aeoq	25 etc apowiruma m aijimo
31 apowitimo m aiquõn	32 apowitimo m aro	33 apowitimo m aiju	34 apowitimo m aeoq	35 etc apowitimo m aijimo
41 apowin o amma m aiquõn	42 apowin o amma m aro	43 apowin o amma m aiju	44 apowin o amma m aeoq	45 etc apowin o amma m aijimo
51 apowitima m aiquõn	52 apowitima m aro	53 apowitima m aiju	54 apowitima m aeoq	55 etc apowitima m aijimo
61 apowin o año m aiquõn	62 apowin o año m aro	63 apowin o año m aiju	64 apowin o año m aeoq	65 etc apowin o año m aijimo

Examples:

383.
aratebu me aṅo NG70
CL30[3]+one.hundred & six
one hundred and six objects of Classifier 30[3]

384.
ararobu me ado NG70
CL30[3]+two.hundred & nine
two hundred and nine objects of Classifier 30[3]

385.
bwi iju abũmin aeiu ma A nan õet weron eat[21] eb ean ama iaõ
for more NP+CL5[11] seven & 1S.DEP UNR rain cloud on+3S.POS AB+land on+3S.POS forty AB+light
ma ama ibũm Ge 7:4
& forty AB+night
for there are seven more days and I will make to rain on earth for forty days and forty nights

386.
wo nimõ ririñ abwetsin aijima weden airat[21] ekaramwai Ex 26:5
2S.DEP MOD do NP+CL7[18/19] fifty lock one+CL30[3] AB+curtain
make fifty locks (for) the one curtain

387.
amaen aijimo eñak ean rat[21] erũrũt[2] ewak Ex 26:27
NP+CL21[4] five AB+bar on+3S.POS branch+3s alongside+3S.POS AB+house
five bars for the boards alongside the house

388.

wañara prinzen memak ro oija añen[43] aũra ewew, emaen an prinz ion
RPOS+3P.POS princes all 3P.DEP give to+PERF GPOS+3P.POS staff INDF+CL21[4] GPOS+3P.POS prince INDF
me emaen an prinz ion, tekei eiwin aũra wak memak etõñũra,
& INDF+CL21[4] GPOS+3S.POS prince INDF like fitting GPOS+3P.POS house all father+3P.POS
amaeta ma aro Num 17:6
NP+CL21[4]+ten & two
all their princes, they gave to him their staffs, a prince a staff of his and a prince a staff of his/each prince his staff, as befits all the houses of their fathers, twelve (staffs)

389.

etsimine aran adawar wõn chariot ñana debitsi Judg 4:3
3S.DEP+exist NP+CL30[3] 900 RPOS+3S.POS chariot E+MED.P iron
there were nine hundred iron chariots of his

390.

õ pan a adeten araña 1Chr 16:15
3S.DEP speak to NP+CL32[29] 1000
he then spoke of it to one thousand generations

391.

aran araña chariot 1Chr 18:4
NP+CL30[3] 1000 chariot
one thousand chariots

392.

ñea o aran año ben in õeta Is 6:2
E+MED FV NP+CL30[3] six hand+3S.POS CONS jump
the one having six wings

393.

re iruepoiyida mungana ikwikwit[64] brot me abweretame aro Matt 14:20 1976
3P.DEP gather.up NEII+MED.P leftovers+CONS bread & NP+CL6[32]+ten & two
they gathered up the fragments of bread – twelve baskets

394.

ro opwapwoiy mungana numwinumwin oangara me
3P.DEP FAC+together+RED+APPL NEII+MED.P fragment+CONS foodstuff+3P.POS &
abwereta me aeiu Matt 15:37 1 9 7 6
NP+CL6[32]+ten & seven
they gathered up the fragments of the foodstuffs, seventeen baskets

395.

mi iruwin abũmin año Jesu emwin Petrus.. Matt 17:1
& after+3S.POS NP+CL5[11] six Jesus call Peter…
and after six days Jesus called Peter…

396.

abumin ango iruwin me Jesus emwin ametimena Petrus me Jacobus me Johannes
NP+CL5[11] six after+3S.POS & Jesus call male+three+MED Peter & James & John
Matt 17:1 1976
and six days afterwards Jesus called those three - Peter, James, and John

397.

A ũge aw tokim awõrin aemo konaen aeiu Matt 18:22
1S.DEP say to+2S.OBJ end+2S.POS NP+CL35[23] seventy able+3S.GER seven
I say to you, seventy times multiplied by seven is end of it

398.

bwe wo togi ean aworin aemwo am kaworin aeiu Matt 18:22 1976
for 2S.DEP end by+3S.POS NP+CL35[23] seventy GPOS+2S.POS CAUS+CL35[23] seven
but you complete by it (i.e. you multiply it by) seventy times your seven times each]

399.

e mek eat[21] etomagage ean abũmin ama Mark 1:13
3S.DEP dwell on+3S.POS AB+wilderness on+3S.POS NP+CL5[11] forty
he resided in the wilderness for forty days

400.

ro eirioepwoiyida mungana ikwikwit[21] imin orengo, abwereta
3P.DEP gather.up+APPL+DIR1 NEII+MED.P fragments+CONS AB+thing left.over NP+CL6[32]+ten
me aro ngan okwen Mark 6:43 1 9 7 6
& two E+P+ 3S.DEP+full
they gathered up the fragments of the things left over, twelve baskets that were full]

401.

etsimine abũmin año ñan eimwi bwe eñame enimõ makur ean Lu13:14
3s+exist NP+CL5[11] six E+P+ right for AB+person 3S.DEP+MOD work on+3S.POS
there are six days in which it is correct that man should work

402.

re eke abumin ango mungana ibum enim eke bwait[21] emogur Lu 13:14 1976
3P.DEP make NP+CL5[11] six NEII+MED.P AB+day 3S.DEP+MOD make object+CONS AB+work
they number six days, those days one should use as for work

403.

tin ia[9] aworin aeiu an oturaiy [sic] uw iat[21] ibum aibumin Lu 17:4 1976
COND NP+CL35[23] seven GPOS+3S.POS FAC+sin+APPL 2S.OBJ in+3S.POS AB+day one+CL5[11]
if his sinning against you is seven times in one single day

404.

ro kakepwo me abwereta me aron, mungana ro okwonon
3P.DEP CAUS+CAUS+together & NP+CL6[32]+ten & two NEII+MED.P 3P.DEP fill+COM
mungana ikwikwit[65] brot barley aiyimo John 6:13 1976
NEII+MED.P left-overs+CONS bread barley five
they caused the gathering and (there were) twelve baskets, those they filled with the left-overs of five barley loaves

405.

oekeow okor apowin aeiu epon engame eow ean Ac 13:19 1976
FAC+be.not+DIR INTENS NP+CL29[30] seven gather+CONS AB+person DIR on+3S.POS
in it, he thoroughly destroyed seven nations

406.

ama baiwong tangura eow Troas iruwin abumin aiyimo,
1P.EXC.DEP reach beside+3P.POS DIR Troas after+3S.POS NP+CL5[11] five
ina ama ta meg ean abumin aeiu Ac 20:6 1 9 7 6
there 1P.EXC.DEP only dwell on+3S.POS NP+CL5[11] seven
we reached them in Troas after five days, where we stayed for seven days

407.

ñag etũren añen[43] abũmin aeiu Ac 21:27
TEMP+ 3s+near to+PERF NP+CL5[11] seven
when seven days had drawn near/when seven days were about to end

408.

bwa amaimõ mek itũrũra abũmin aeiu Ac 28:14
for 1P.EXC.DEP+MOD dwell by+3P.POS NP+CL5[11] seven
so that we should stay with them for seven days

409.

amaim meg tangura ean abumwin oaeiu Ac 28:14 1976
1P.EXC.DEP+MOD dwell beside+3P.POS on+3S.POS NP+CL5[11] FV+seven
let us stay with them for seven days

410.

iju aiquen bwi nan ama iraãõ eow itũrit[39] dei Judea,
more one for UNR forty strike+1S.GER DIR by+3S.POS people+CONS Judea
ma awõrin aijimo aũra õũga 2Co 11:24
& NP+CL35[23] five GPOS+3P.POS be.so
one additional, and my being struck by the people of Judea would be forty, and five times was their doing so

411.

aworin aiyima (sic; aiyimo) iraeeo me okwamwa irer ngana gatagatonedan
NP+CL35[23] five strike+1S.GER & 3S.DEP+CAUS+forty AB+strike E+MED.P CAUS+RED+one+DIR1+DIR8
ean o aikwen eow turin ngabuna juden 2Co 11:24 1976
on+3S.POS FV one DIR by+3S.POS E+ANIM.P Jews
my being struck by the Jews was five times, and forty each striking, each one down by one by the Jews

412.

togit[sic; dogit] itueb,ngaga pudu ngarana ororin gawa ia[14] ngea Jericho,
reason+CONS AB+faith TEMP+MED fall E+CL30[3]+MED wall+CONS town MED E+MED Jericho
ngaga abumwiten[21]aeiu opwapwaen Heb 11:30 1976
TEMP+MED NP+CL5[11]+PERF seven go.around+RED+3S.GER
by reason of faith, when the wall of that city, Jericho, fell, when its being gone around was already seven days

413.

bwe nim t oiyoiyi eow ina eita ean abumwin aranga m arobu
for MOD only feed DIR there female+MED on+3S.POS NP+CL5[11] 1000 & two.hundred
me angomwa Rev 12:6 1 9 7 6
& sixty
that they may feed her there for one thousand two hundred and sixty days

414.

mõ õrre engel ion atsin inimaget[21] engel ñabũna aeiu, ñabũn estimine aran aeiu
& come angel INDF from+3S.POS among+3S.POS angel E+ANIM.P+MED seven E+ANIM.P+ 3S.DEP+exist NP+CL30[3] seven
dõmaugu itũrũra Re17:1
bowl by+3P.POS
and an angel from among the seven angels, those having seven large bowls with them

415.

ñaga abumiten[21] oaeiju me aworiten[21] oaño aüra opae gawa ia[14] Nuw 47:4
TEMP+MED NP+CL5[11]+PERF FV+seven & NP+CL35[23]+PERF FV+six GPOS+3P.POS go.about town MED
when seven days had passed and their going around that town was six times

416.

iuw abumin o amma me inan öekäow Ninive Nuw 69:5
more NP+CL5[11] FV forty & UNR FAC+be.not+DIR Ninive
forty days more and Ninive will be destroyed

417.

amaeitamijimo Johnson 2002:170
ten+CL21[4]+&+five
fifteen groups of people
(this is Johnson's spelling of her respondent's reply, representing 'amaeta m aijimo')

14.6. Alternative Construction for Classificatory Cardinal Numerals.

There are a few instances where nouns associated with classifiers are enumerated using the General Cardinal Numeral.

These instances are probably due to underlying reasons.

418.

A nan õet weron eat[21] eb ean ama iaõ ma ama ibũm Ge 7:4
1S.DEP UNR rain cloud on+3S.POS AB+land on+3S.POS forty AB+(day)light & forty AB+night
I will make to rain on earth for forty days and forty nights
[abũmin o ama would be ambiguous?]

419.

rõ õepoijida, mo oquen ata ma aro ebwer iquiquin gerstenbrot
3P.DEP FAC+together+APPL+DIR1 & 3S.DEP+fill ten & two AB+basket left.overs+CONS barley.loaves
ñana aijimo John 6:13
E+MED.P five
they gathered up and filled twelve baskets of left-overs of the five barley loaves
[abwereta ma aro implies filled baskets, whereas these were empty baskets about to be filled with remnants?]

420.

ngaga eangadan mungana ibum oaeiu Ac21:27 1 9 7 6
TEMP+MED complete+PERF NEII+MED.P AB+day FV+seven
when those seven days were completed
[abumin o aeiu, maybe the proximity of the demonstrative affects the syntax?]

421.

me oren ion ean muaeiua engel, ngabuna emeg turura
& come+PERF INDF on+3S.POS NEII+seven+MED angel E+ANIM.P+MED 3S.DEP+dwell by+3P.POS
mungana iwur aeiu Re 17:1 1 9 7 6
NEII+MED.P AB+shell seven
and one of those seven angels then came, those ones having the seven bowls
[awurin o aeiu, maybe the proximity of the demonstrative affects the syntax?]

14.7. Verbalization of Classificatory Cardinal Numerals.

As with the other series of numerals, Classificatory Cardinal Numerals can be verbalized.

Examples:

422.
me tuk yeida amea me aiyuworien me ouge Lu 23:22 1 9 7 6
& still start male+MED & three+CL35[23]+PERF & say
and he again started, now three times, and said…

423.
ngage ngabumine me aiyubumen iruwin ngaga emeta mungana Lu 24:21 1976
TEMP+MED E+CL5[11]+PROX & three+CL5[11]+PERF after+3S.POS TEMP+MED 3S.DEP+come.out NEII+MED.P
now, today, it is now three days since those things happened

424.
aiyuworien an ouge a John 21:17 1976
three+CL35[23]+PERF GPOS+3S.POS say to
it is already three times his saying to him

425.
aiyuworiten[21] okor ngage aeo og tuwo
three+CL35[23]+PERF INTENS TEMP+PROX GPOS+1S.POS finish flesh+1S.POS
ia anim nanga kamie 2Cor 12:14 1976
COND 1S.DEP+MOD go.to 2P.OBJ
it is really already three times my being ready that I should come to you

15. Attributive use of Numerals.

The numeral used attributively to modify a noun in Nauruan can either be placed at the head of the noun phrase or following the noun, or in conjunction with a relativizer.

At the time the holy writings were translated all three options were used interchangeably.

15.1. Examples as head of Noun Phrase.

437.
aijima emainibe reabin Ge 6:15 fifty cubits its width
[*emainibe* appears to be a compound of '*mae*', used for long stiff objects (such as a limb) and '*ebe*', the hand; a cubit was considered to be the distance between the elbow and the tip of the middle finger in antiquity]

426.
animo emainibe godaũn Gen 6:15 thirty cubits its height

427.
ama iaõ ma ama ibũm Ge 7:4 forty (day)lights and forty nights

428.
anarama schekel in silber Ge 37:28 twenty silver shekels

429.
araquin mũñana ekaramwai memak bwe anarama ma aoju emainibe Ex 26:2 the length of all the curtains was twenty-eight cubits

430.
A nan oija gamiã animo iujedun-itũga Judg 12:12 I will give you thirty upper garments

431.
añama ma aiquet[21] erañan daric in gold Ezra 2:69 sixty-one thousand golden darics

432.
araña eñame ri nan pudu itañũm me ata earañan eat[39] damarũmũm Ps 91:7 a thousand will fall at your side and ten thousand at your right hand

433.
aijimo brot itũrima ine ma arumet[21] iũ Matt 14:17 five loaves and two fish
[the Animate Cardinal Numeral is being used with 'fish']

434.
aiyimo brot me aro iu Matt 14:17 1976

435.
arumet[21] ãn Matt 24:41

436.
õten, ã eõ rouwõn aijimo itsirir aro denarii? Lu 12:6 are not five small birds sold for two denari?
[itsirir – is actually the Nauruan Reed Warbler; up until colonial days Nauru also had an honeyeater species and a flycatcher species, but only the Reed Warbler survives up to the present]

437.
adaga eo rouwiow aiyimo sparrows eow ean aro farthing pumwen ? Lu 12:6 1976 are not five sparrows sold for the price of two farthings?

438.
ata ma aoju eobweni Lu 13:16 eighteen years

439.
ata me aoiyu eobweni Lu 13:16 1976 eighteen years

440.
aibu akeweõit[21] eir Lu 16:6 one hundred measures of oil

441.
aibu mungana jar it[21] eir Lu 16:6 1976 one hundred jars of oil

442.
ata wam mina Lu 19:16 your ten minas

443.
ata mina Lu 19:16 1976 ten minas

444.
ata tekawa Lu 19:17 ten cities

445.
aijimo wam mina Lu 19:18 your five minas

446.
aijimo tekawa Lu 19:19 five cities

447.
añama furlong goeowit[27] atsin Jerusalem Lu 24:13 sixty furlongs distance from Jerusalem

448.
angomwa stadia ogoeow it[27] atin Jerusalem Lu 24:13 1976 sixty stadia distance from Jerusalem

449.
ñag õkaia anarama ma aijimo õa animo furlong in aũra edij John 6:19 when perhaps their rowing out was twenty-five or thirty furlongs

450.
kaiya anaramwa me aiyimon oa animwon aura stadia n ediy John 6:19 1976 it was now perhaps twenty-five or thirty their stadia of rowing out

451.
anarama gũñaen Ac 27:28 twenty (was) its fathoms [see Note 46]

452.
anaramwa ikunga akabin Ac 27:28 1976 its depth (was) twenty 'kunga' [see Note 46]

453.
abu me animo eobweni iruwin Ga 3:17 & Ga 3:17 1976 four hundred and thirty years later

454.
aeiu lampen ñana gold Re 1:12 seven golden lamps

455.
aeiu edetang Re 1:16 1976 seven stars

456.
aeiu oin ma aeiu men Re 5:6 seven horns and seven eyes

457.
aeiu oinin me aeiu men Re 5:6 1976 seven horns and seven eyes

458.
aeiu engel...aeiu dobu Re 8:2 seven angels... seven trumpets
[dobu is the conch shell, once used throughout the Pacific to sound an alert]

459.
aijimo maraman Re 9:5 and Re 9:5 1976 five months

460.
aeiu itũbwin...ata oin...aeiu kronen Re 12:3 seven heads...ten horns...seven crowns

461.
aeiu tubwin...ata oinin...aeiu diadem Re 12:3 1976 seven heads...ten horns...seven diadems

462.
aran aeiu dõmaugu Re 17:1 seven bowls
[*dõmaugu* has the appearance of a Kiribati loanword -*te mangko*, a bowl. As it presents a flat surface it is preficed with the appropriate numeral particle from Classifier 30[3] *ra,* for objects presenting a flat surface, See Section 14.3.1.]

463.
aeiu temoniba Re 17:10 seven kings

15.2. Examples where the numeral follows the noun.

464.
brot aiyimo Matt 14:19 five loaves

465.
einibuna aiyimo Matt 25:2[3] 1976 those five women

466.
en arumen Matt 24:41 1976 two women

467.
dagawa o ata Lu 19:17 1976 ten cities

468.
dagawa aiyimo Lu19:19 five cities

469.
ecclesia o aeiu Re 1:4 1976 four ecclesia

470.
edetang o aeiu...telamp o aeiu ngaga gold Rev 1:20 seven stars...seven golden lamps

471.
etetang aeiu...telamp aeiu ngana gold Re 2:1 1976

472.
itema aeiu Re 5:1 1976 seven seals

473.
teman o aeiu Re 5:5 1976 its seven seals

474.
engel aeiu...trumpet aeiu Re 8:2 1976 seven angels...seven trumpets

475.
iwur aeiu Re 17:1 1976 seven bowls

476.
tubwin o aeiu ura etowedudu aeiu...me ura i king aeiu Re 17:9 1976 his seven heads are seven mountains...and they are seven kings

477.
oin o ata...iking oea...aikwet aua Re 17:12 1976 ten horns... ten kings...one hour

15.3. Examples where the noun appears with a relativizer.

478.
brot ñana aijimo mi iũ ñana arumen Matt 14:19 five loaves and two fish
[the Animate Cardinal Numeral is being used with 'fish']

479.
iquiquin gerstenbrot ñana aijimo John 6:13 left-overs of the five barley loaves

480.
ecclesia ñana aeiu Re 1:4 four ecclesia

481.
telamp aeiu ngana gold Re 1:12 1976 seven golden lamps

482.
lampen ñana aeiu Re 1:13 the seven lamps

483.
edetañ ñana aeiu Re 1:16 seven stars

484.
edetañ ñana aeiu...lampen ñana gold ñana aeiu Re 1:20 seven stars...seven golden lamps

485.
edetañ ñana aeiu...lampen ñana aeiu Re 2:1 seven starts...seven lamps

486.
itema ñana aeiu Re 5:1 seven seals

487.
weman ñana aeiu Re 5:5 its seven seals

488.
itũb ñana aeiu ũra etowedũdũ ñana aeiu Re 17:9 the seven heads are seven mountains

489.
dañan ñabũna aeiu Re 17:11 its seven companions

490.
oin ñana ata...temoniba ñana waea...aiquen stunde Re 17:12 ten horns...ten kings...one hour

16. Hours.

The pre-colonial Nauruan people had no concept of a 60 minute hour or of a 24 hour day. The 24 hour day was divided into obvious segments. When the occidental obsession with time arrived, new ways were developed to accommodate this new aspect of life.

Complicating matters is the fact that the New Testament writers use the Hebrew system of counting hours, i.e. diving the 24-hour day into two 12-hour sgmentss: from sunrise to sunset, and from sunset to sunrise. This means that the ninth hour is 3 p.m. There is only one event placed in the second segment (sunset to sunrise), at Acts 23:23. Both the 1918 Bible and the 1976 New Testament keep to the Hebrew method of counting the hours.

The Nauruan language at the time of European contact had no Ordinal Numeral system; the Missionaries co-opted the distributive forms of the numerals and adapted them for use as ordinal numbers, but these ran alongside the circumlocution 'the hour that is X number'. This circumlocution approximates how, according to Kayser (*Nauru Grammar*, page 74), a Nauruan would have expessed a specific object in a line of objects. The 1918 Bible always uses the adapted distributive numeral for ordinals, whereas the 1976 New Testament uses both the apapted distibutive numeral and the circumlocution or a version of it. The 1918 Bible always uses 'eaquõ', 'midday', for "the 6th hour". (See Section 26)

Examples:

491.
Matt 20:3
katijut[64] stunde 1918
CAUS+three hour
gatiworit[21] aua 1976
CAUS+three+CL35[23] AB+hour

492.
Matt 20:5
quañot[64] stunde...quadot[64] stunde 1918
CAUS+six hour CAUS+nine hour
kwangon me kwadot[21] aua 1976
CAUS+six & CAUS+nine AB+hour

493.
Matt 20:6
quita ma aiquenit[64] stunde 1918
CAUS+ten & one+CONS hour
kwita me aikwen it[21] aua 1976
CAUS+ten & one CONS AB+hour

494.
Matt 20:9
quita ma aiquenit[64] stunde 1918
CAUS+ten & one+CONS hour
aua ata me aikwen1976
hour ten & one

495.
Matt 27:45
etũrũgago eat[21] eb memak atsin ean quañot[64] stunde ea quadot[64] stunde 1918
3S.DEP+dark+SUP on+3S.POS land all from+3POS on+3+S.POS CAUS+six hour to CAUS+nine hour
it was very dark on all the land from the sixth hour until the ninth hour

496.
atin eat[27] aua ango me turugagot[21] eb memag ino me ino ea eaua ado 1976
from+3S.POS on+3S.POS AB+hour six & dark+SUP+PERF land all yonder and yonder to AB+hour nine
from the sixth hour, it was then very dark on all the land here and there until the ninth hour

497.
Matt 27:46
quadot[64] stunde 1918
CAUS+nine hour
aua ado 1976
hour nine

498.
Mark 15:25
katijut[64] stunde 1918
CAUS+three hour
eaua aiyu 1976
AB+hour three

499.
Mark 15:33
ñag eaquõ, etũr eat[21] eb memak me etoki ean quadot[64] stunde 1918
TEMP+ midday 3S.DEP+dark on+3S.POS land all & 3S.DEP+end on+3S.POS CAUS+nine hour
when it was midday, all the land was dark until the ninth hour

500.
ngaga angot[27] aua me turet[21] eb memag ngan opwae ina
TEMP+MED six+PERF AB+hour & dark+PERF land all E+P+ be.around there
me dogi eat[27] aua ado 1976
& end on+3S.POS AB+hour nine
when it was already the sixth hour, all the land round about there was then dark until the ninth hour

501.
Mark 15:34
quadot[64] stunde 1918
CAUS+nine hour
aua ngea ado 1976
hour E+MED nine

502.
Lu 23:44
õkai eaquõ, etũr memak eat[21] eb ea quadot[64] stunde 1918
maybe midday 3S.DEP+dark all on+3S.POS land to CAUS+nine hour
about midday, all the land was dark until the ninth hour

503.
kaiya bita eaua ngea ango ngaga me eturugagot[21] eb memag ea eaua ngea ado 1976
maybe NEIII+MED AB+hour E+MED six TEMP+MED & 3S.DEP+dark+SUP+PERF land all to AB+hour E+MED nine
about the sixth hour, at that time all the land was then in deep darkness until the ninth hour

504.
John 1:39
kai quitaiten[21] naga stunde 1918
maybe CAUS+ten+CONS+PERF directly hour
it was then about the tenth hour

505.kaiya ataeit[27] aua ngaga 1976
maybe ten+CONS AB+hour TEMP+MED
it was about the tenth hour at that time

506.
John 4:6
kai eaquõ 1918
maybe midday

507.
kaiya bita eaua ngea ango ngaga 1976
maybe NEIII+MED AB+hour E+MED six TEMP+MED

508.
John 4:52
õgõr arakin in kũñijarare nane ean quaeiut stunde 1918
3S.DEP+run sick+3S.POS CONS CAUS+hot+SUP yesterday on+3S.POS CAUS+seven hour
the feverish sickness left yesterday on the seventh hour

509.
nene kaiya ean bita eaua ngea aeiu me bita ikungiyarare obwaodea tinin 1976
yesterday maybe on+3S.POS NEIII+MED AB+hour E+MED seven & NEIII+MED AB+CAUS+hot+SUP left from+3S.POS
yesterday about on the seventh hour the fever left her

510.
John 19:14
kai eaquõ 1918
maybe midday
kaiya kwangot[21] aua ngaga 1976
maybe CAUS+six AB+hour TEMP+MED

511.
Ac 2:15
katijuwõrit stunde in ñabũmine 1918
CAUS+three+CL35[23] hour CONS E+CL5[11]+MED
the third hour of today

512.
gatiworit[sic] aua ngage ngabumine1976
CAUS+three+CL35[23] AB+hour TEMP+PROX E+CL5[11]+MED
the third hour of today

513.
Ac 10:9
kai eaquõ 1918
maybe midday

514.
kaiya eat[21] aua ango1976
maybe on+3S.POS AB+hour six

516.
Ac 10:30
quadot[64] stunde 1918
CAUS+nine hour
kwadot[21] aua 1976
CAUS+nine AB+hour

517.
Ac 23:23
ean ekatijuwõrit[64] stunde ijõbũm 1918
on+3S.POS AB+CAUS+three+CL35[23] hour LOC+night
from the third hour at night (9 p.m.)

518.
atin eat[21] aua aeiu [sic; aiyu] yobum 1976
from+3S.POS on+3S.POS AB+hour three LOC+night
from the third hour at night (9 p.m.)

17. Numerals with Demonstrative functions.

Demonstratives single out a person or an object that a speaker is referring to and indicate the nearness or remoteness of it from the speaker. Demonstratives in Nauruan show three degrees of proximity, i.e.:

1. proximal (near the speaker),
2. medial (away from the speaker/near the hearer),
3. distal (away from both the speaker and hearer).

In addition, the Nauruan Demonstrative regime developed four prefixes that are pefixed to the simple (or base) form of the demonstrative:

1. Emphatic prefix *ña-/nga-* (E prefix)
2. Non-Emphatic Prefix *min-* (NEI prefix)
3. Non-emphatic Prefix *mũ-/mu-* (NEII prefix)
4. Non-Emphatic Prefix *bit-* (NEIII prefix)

Over time, the spatial suffixes of the simple general demonstratives, and the emphatic and non-emphatic prefixes of the general demonstratives came to be fused with other elements in the Nauruan language, so that by the early 20th century Nauruan had developed demonstratives in the following eight domains, in addition to the original general demonstratives:

1. Animate Demonstratives
2. Gender-specific Demonstratives
3. Animate Demonstratives incorporating numeral functions
4. Gender-specific Demonstratives incorporating numeral functions
5. Direct address (vocative) demonstratives
6. General Cardinal Numerals incorporating demonstrative functions
7. Classifiers incorporating demonstrative functions
8. Classifiers incorporating numeral and demonstrative functions

In this study we are looking at :

1. General Cardinal Numerals incorporating demonstrative functions (Demonstrative Cardinal Numerals)
2. Animate Demonstratives incorporating numeral functions (Animate Demonstrative Numerals)
3. Gender-specific Demonstratives incorporating numeral functions
4. Classifiers incorporating numeral and demonstrative functions (Classificatory Demonstrative Numerals)

For a full discussion on Nauruan demonstratives, see "Nauruan Demonstratives" by this author.

18. Demonstrative Cardinal Numerals.

The Demonstrative Cardinal Numeral incorporates both a numeric and a demonstrative function.

As with other demonstrative sets, the Demonstrative Cardinal Numeral has a simple (or base) form.

This Simple or Base Form is derived from the General Cardinal Numeral.

The Demonstrative Cardinal Numeral Simple Form can be combined with the Emphatic Prefix *ña-/nga-* (E prefix), the Non-Emphatic *min-* Prefix (NEI prefix), and the Non-Emphatic *mũ-/mu-* Prefix (NEII prefix).

The Non-Emphatic *bit-* Prefix (NEIII prefix) is not present in the Demontrative Cardinal Numeral set.

As mentioned in Section 9.6., the only divergence with the demonstrative system is that a different set of spatial suffixes is used when the numeral system is incorporated into the demonstrative system to produce the Demonstrative Cardinal Numeral.

The 'normal' set of spatial suffixes is *-ne*, *-na*, *-no*, but demonstrative numerals use a secondary set, *-oe*, *-oa*, -oo. These are at times written with a /w/, i.e. '*- we*', '*-wa*' which is why in this study they are written as a non-syllabic vowel glide+vowel sequence, *-o̯e*, *-o̯a*, *-o̯o or -u̯e, -u̯a, -u̯o*.

Due to the rare occurrances of the Demonstrative Cardinal Numeral, the orthographic conventions used by Kayser have been kept by and large with the tables adapted from his, as found in *Nauru Grammar*.

Table 23: Demonstrative Cardinal Numerals 1 – 9.

		Simple form	Emphatic (E) ña-/nga-	Non-Emphatic I (NEI) min-	Non-Emphatic II (NEII) mü-/mu-
One	Proximal	aiquönǫe	ṅaiquönǫe	minaiquönǫe	mụaiquönǫe
	Medial	aiquönǫa	ṅaiquönǫa	minaiquönǫa	mụaiquönǫa
	Distal	aiquönǫo	ṅaiquönǫo	minaiquönǫo	mụaiquönǫo
Two	Proximal	roụe	ṅaroụe	miniroụe	mụroụe
	Medial	roụa	ṅaroụa ngarowa (1976)	miniroụa	mụroụa murowa (1976)
	Distal	roụo	ṅaroụo	miniroụo	mụroụo
Three	Proximal	juụe	ṅaijuụe	minijuụe	mụijuụe
	Medial	juụa	ṅaijuụa	minijuụa	mụijuụa
	Distal	juụo	ṅaijuụo	minijuụo	mụijuụo
Four	Proximal	aeoquǫe	ṅaeoquǫe	minaeoquǫe minaeoquõe (1918)	mụaeoquǫe
	Medial	aeoquǫa	ṅaeoquǫa	minaeoquǫa	mụaeoquǫa
	Distal	aeoquǫo	ṅaeoquǫo	minaeoquǫ	mụaeoquǫo
Five	Proximal	ijimoụe	ṅaijimoụe	minijimoụe	mụijimoụe
	Medial	ijimoụa	ṅaijimoụa	minijimoụa	mụijimoụa
	Distal	ijimoụo	ṅaijimoụo	minijimoụo	mụijimoụo
Six	Proximal	añoụe	ṅaṅoụe	minañoụe	mụañoụe
	Medial	añoụa	ṅaṅoụa	minañoụa	mụañoụa
	Distal	añoụo	ṅaṅoụo	minañoụo	mụañoụo

Seven	Proximal	aeuu̱e	ʰaeuu̱e	minaeuu̱e	mu̱aeuu̱e
	Medial	aeuu̱a	ʰaeuu̱a	minaeuu̱a	mu̱aeuu̱a
	Distal	aeuu̱o	ʰaeuu̱o	minaeuu̱o	mu̱aeuu̱o
Eight	Proximal	auijuu̱e	ʰauijuu̱e	minauijuu̱e	mu̱auijuu̱e
	Medial	auijuu̱a	ʰauijuu̱a	minauijuu̱a	mu̱auijuu̱a
	Distal	auijuu̱o	ʰauijuu̱o	minauijuu̱o	mu̱auijuu̱o
Nine	Proximal	adou̱e	ʰadou̱e	minadou̱e	mu̱adou̱e
	Medial	adou̱a	ʰadou̱a	minadou̱a	mu̱adou̱a
	Distal	adou̱o	ʰadou̱o	minadou̱o	mu̱adou̱o

Table 24: Demonstrative Cardinal Numerals: Decade Numerals (Proximal Form; Medial and Distal Forms change final vowel as above).

10	Proximal	ataeo̱e	ṅataeo̱e	minataeo̱e	mụataeo̱e
20	Proximal	anaramaeo̱e araramaeo̱e	ṅanaramaeo̱e ṅararamaeo̱e	minanaramaeo̱e minararamaeo̱e	mụanaramaeo̱e mụararamaeo̱e
30	Proximal	animoeo̱e	ṅanimoeo̱e	minanimoeo̱e	mụanimoeo̱e
40	Proximal	ammaeo̱e	ṅammaeo̱e	minammaeo̱e	mụammaeo̱e
50	Proximal	ijimaeo̱e	ṅaijimaeo̱e	minijimaeo̱e	mụijimaeo̱e
60	Proximal	aṅomaeo̱e	ṅaṅomaeo̱e	minaṅomaeo̱e	mụṅanomaeo̱e
70	Proximal	aemoeo̱e	ṅaemoeo̱e	minaemoeo̱e	mụaemoeo̱e
80	Proximal	auijumoeo̱e	ṅauijumoeo̱e	minauijumoeo̱e	mụauijumoeo̱e
90	Proximal	adumaeo̱e	ṅadumaeo̱e	minadumaeo̱e	mụadumaeo̱e

Table 25: Demonstrative Cardinal Numerals: Hundreds Numerals (Proximal Form; Medial and Distal Forms change final vowel as above).

100	Proximal	aibuiu̱e	ṅaibuiu̱e	minaibuiu̱e	mụ̣aibuiu̱e
200	Proximal	robuiu̱e	ṅarobuiu̱e	minirobuiu̱e	mụ̣robuiu̱e
300	Proximal	ijibuiu̱e	ṅaijibuiu̱e	minijibuiu̱e	mụ̣ijibuiu̱e
400	Proximal	abuiu̱e	ṅabuiu̱e	minabuiu̱e	mụ̣abuiu̱e
500	Proximal	ijimou̱eru̱e	ṅaijimou̱eru̱e	minijimou̱eru̱e	mụ̣ijimou̱eru̱e
600	Proximal	aṅou̱eru̱e	ṅaṅou̱eru̱e	minaṅou̱eru̱e	mụ̣aṅou̱eru̱e
700	Proximal	aueru̱e	ṅaueru̱e	minaueru̱e	mụ̣aueru̱e
800	Proximal	auijueru̱e	ṅauijueru̱e	minauijueru̱e	mụ̣auijueru̱e
900	Proximal	adau̱eru̱e	ṅadau̱eru̱e	minadau̱eru̱e	mụ̣adau̱eru̱e

Table 26: Demonstrative Cardinal Numeral: 1000 (Proximal Form; Medial and Distal Forms change final vowel as above).

1000	Proximal	araṅaeo̲e	ṅaraṅaeo̲e	minaraṅaeo̲e	mu̲araṅaeo̲e

Notes:

1.
Notice the Function Vowel (Section 9.5.1.) appears before the spatial suffixes in the tens, hundreds, and thousands.

Examples:

519.
me totu minaeoquõe etabañabañ ean iñin ñana aeoq Ex 25:26
& put NEI+four+PROX AB+ring on+3S.POS corner E+MED.P four
and put those four rings in the four corners

520.
aro emetũbwije ijõñit[21] erra eran bwe eñan in metu murowa ekaram Ex 26:19
two AB+socket under+3S.POS AB+plank INDF+CL30[3] for place CONS go.in NEII+two+MED AB+joint
two sockets under a plank for the place of entry of those two pieces

521.
murowa apen wekañan Le 3:4
NEII+two+MED stone+CONS hip
those two kidneys

522.
me baruen mungana brot aiyimo me murowa iu Matt 14:1976
& take+PERF NEII+MED.P bread five & NEII+two+MED fish
he then took those five loaves and those two fish

523.
bwe murowe meo or eed woten[70] am katimor Lu 2:32 1976
for NEII+two+PROX eye+1S.POS 3D.DEP see SUCC+PERF GPOS+2S.POS CAUS+live
for these two eyes of mine have already successfully seen your saving

524.
emekwor eow ean miyumaoa [sic; miyimowa] edako eamen arag ebwak John 5:3 1976
3S.DEP+lie DIR on+3S.POS NEII+five+MED AB+square male+CONS sick numerous
many sick men lay down on those five porches

525.
tin ia[9] murowe meo eitiok eedwotow[71] ean mururaoa ben
COND NEII+two+PROX eye+1S.POS PREI see+SUCC+DIR on+3S.POS NEII+two+CL30[3]+MED hand+3S.POS
uiten mwit[21] ener John 20:25 1976
wound+CONS end+CONS AB+nail
If these two eyes of mine have not yet successfully seen on those two hands of his the wounds of the nail ends

526.
bwe murowa met[39] Demoniba ar mwaiy ngabuna eimwi deidein,
for NEII+two+MED eye+CONS Lord 3D.DEP face E+ANIM.P+MED right manner+3S.POS
me mururaoa yingen aura detaro 1Pe 3:12 1976
& NEII+two+CL30[3]+MED ear+3S.POS GPOS+3P.POS prayer
for those two eyes of the Lord are before those ones whose way is upright and those two ears hears) their prayers

527.
eat imin aro, ngarowa ek[sic; ekam] iwiwideiyen ngarowa God
on+3S.POS AB+thing two E+two+MED NEG turn+RED+APPL+3S.GER E+two+MED God
eo gona ebwaite eow ean He 6:18 1976
NEG able AB+lie DIR on+3S.POS
by two things, which two things do not turn back, which two things God is unable to lie by them

528.
amerumena uror murueoa olive me murowa yoret[39] telamp Re 11:4 1976
male+two+ANIM+MED 3D.IND NEII+two+CL27[6]+MED olive & NEII+two+MED post+CONS lamp
those two men they are those two olive trees and those two lampstands

529.
murowa gat[39] tuwen amerumena or nan ta mamekwor ange Re 11:8 1976
NEII+two+MED corpse+CONS male+two+ANIM+MED 3D.DEP UNR only lie+RED on.ground
those two bodies of the two men will lie around on the ground

530.
tekeiy pwiyit[21] ee murowa men amea Re 19:12 1976
like flame+CONS fire NEII+two+MED eye+CONS male+MED
like the flame are those two eyes of his

531.
Demoniba öüijön amärumena engel bue ör üm öekäow mürouwa tagawa Nuw 11:4
Lord send male+two+ANIM+MED angel for 3D.DEP MOD destroy NEII+two+MED village
the Lord sent those two angels so that they might destroy those two cities

532.
oquötirot[21] imin inno me inno eow Agypten me Josef öpapoij
fill+SUP+COM AB+thing yonder & yonder DIR Egypt & Joseph FAC+bring.together+RED+APPL
müñana baban weizen e reñon ian müaeijua eobani in indeed Nuw 22:1
NEII+MED.P seed+CONS wheat 3S.DEP remain in+3S.POS NEII+seven+MED AB+year CONS harvest
surplus of things from all over Egypt and Joseph made to bring together wheat seed that was left over for those seven years of harvest

533.
ateng tsied eken[62] kor ngana advantages me eken[62] kor won purposes
1S.DEP+want know INDF+CL20[21] INTENS E+MED.P advantages & INDF+CL20[21] INTENS RPOS+3S.POS purposes
ngaga enim merge eiy ngarowa murowa hsd-16p-20070620
TEMP+MED 3S.DEP+MOD merge APPL E+two+MED NEII+two+MED

18.1. Compound Demonstrative Cardinal Numerals.

Kayser (NG62) states that to form the Compound Demonstrative Numeral the first part of the compound numeral is the General Cardinal Numeral to which is affixed the emphatic prefix (*nga-*) or one of the non-emphatic prefixes (excluding *bit-* forms), i.e. *min-* or *mu-*.

The last element, is the General Cardinal Numeral , bearing the Series II spatial suffixes.

Any numerals in between re taken from the General Cardinal Numeral set.

Table 27. Compound Demonstrative Cardinal Numeral.

Number	11	12	13	14
Simple	ata m aiquön -o̤e /-o̤a/-o̤o	ata m aro -ṳe/-ṳa/-ṳo	ata m aiju -ṳe/-ṳa/-ṳo	ata m aeoqu -o̤e /-o̤a/-o̤o
Emphatic	ṅata m aiquön -o̤e /-o̤a/-o̤o	ṅata m aro -ṳe/-ṳa/-ṳo	ṅata m aiju -ṳe/-ṳa/-ṳo	ṅata m aeoqu -o̤e /-o̤a/-o̤o
NEI	minata m aiquön -o̤e /-o̤a/-o̤o	minata m -ṳe/-ṳa/-ṳo	minata m aiju -ṳe/-ṳa/-ṳo	minata m aeoqu -o̤e /-o̤a/-o̤o
NEII	mṳata m aiquön -o̤e /-o̤a/-o̤o	mṳata m aro -ṳe/-ṳa/-ṳo	mṳata m aiju -ṳe/-ṳa/-ṳo	mṳata m aeoqu -o̤e /-o̤a/-o̤o
	15	16	17	18
Simple	ata m aijimo -ṳe/-ṳa/-ṳo	ata m aṅo -ṳe/-ṳa/-ṳo	ata m aeu -ṳe/-ṳa/-ṳo	ata m auju -ṳe/-ṳa/-ṳo
Emphatic	ṅata m aijimo -ṳe/-ṳa/-ṳo	ṅata m aṅo -ṳe/-ṳa/-ṳo	ṅata m aeu -ṳe/-ṳa/-ṳo	ṅata m auju -ṳe/-ṳa/-ṳo
NEI	minata m aijimo -ṳe/-ṳa/-ṳo	minata m aṅo -ṳe/-ṳa/-ṳo	minata m aeu -ṳe/-ṳa/-ṳo	minata m auju -ṳe/-ṳa/-ṳo
NEII	mṳata m aijimo -ṳe/-ṳa/-ṳo	mṳata m aṅo -ṳe/-ṳa/-ṳo	mṳata m aeu -ṳe/-ṳa/-ṳo	mṳata m auju -ṳe/-ṳa/-ṳo
	19	21	22	23
Simple	ata m ado ṳe/-ṳa/-ṳo	anarama m aiquön -o̤ e /-o̤ a/-o̤o	anarama m aro -ṳe/-ṳa/-ṳo	anarama m aiju -ṳe/-ṳa/-ṳo
Emphatic	ṅata m ado ṳe/-ṳa/-ṳo	ṅanarama m aiquön -o̤ e /-o̤ a/-o̤o	ṅanarama aro -ṳe/-ṳa/-ṳo	ṅanarama m aiju -ṳe/-ṳa/-ṳo
NEI	minata m ado ṳe/-ṳa/-ṳo	minarama m aiquön -o̤ e /-o̤ a/-o̤ o	minarama m aro -ṳe/-ṳa/-ṳo	minarama m aiju -ṳe/-ṳa/-ṳo
NEII	mṳata m ado ṳe/-ṳa/-ṳo	mṳarama m aiquön -o̤ e /-o̤ a/-o̤ o	mṳarama m aro -ṳe/-ṳa/-ṳo	mṳarama m aiju -ṳe/-ṳa/-ṳo

Examples:

534.
ṅata m aiquönoe NG62
E+ten & one+PROX
these 11 here

535.
minata m aiquönọe NG62
NEII+ten & one+PROX
these 11 here

536.
mụata m aiquönọe NG62
NEII+ten & one+PROX
these 11 here

537.
ṅanimo m aroụe NG62
E+30 & two+PROX
these 32

538.
ṅauijumo m auijuụe NG62
E+80 & eight+PROX
these 88

539.
ṅarobu me aṅoma me adoụe NG62
E+200 & 60 & nine+PROX
these 269

540.
ṅaijimo earaṅan me aijimoụer me aijima m aijimoụe NG62
E+five NP+1000 & 500 & 50 & five+PROX
these 5555 here

541.
minijimo earaṅan me aijimoụer me aijima m aijimoụe NG62
NEI+five NP+1000 & 500 & 50 & five+PROX
these 5555 here

542.
mụijimo earaṅan me aijimoụer me aijima m ijimoụe NG62
NEII+five NP+1000 & 500 & 50 & five+PROX
these 5555 here

19. Animate Demonstrative Numerals.

The Animate Demonstrative Numeral has both demonstrative and numeric functions and is used of humans (where the focus is not on gender) and other living creatures as well.

As with other areas of Nauruan grammar, unless otherwise specified or evident from context, the default is male.

The Animate Demonstrative Numeral is derived from the Animate Cardinal Numeral (see Section 13) to which are affixed with the *nga-*, *min-*, *mu-* prefixes that developed in the General Demonstrative set.

Being based on the Animate Cardinal Numeral set, it is divided into two categories:

1. based on the Animacy Marker '*amen*' (see Section 12)

2. not based on the Animacy Marker

The Animate Demonstrative Numerals based on the Animacy Marker '*amen*' are restricted to the numerals 2 to 4. These bear the 'normal' spatial suffixes (*-ne, -na, -no*).

The Animate Demonstrative Numerals not based on the Animacy Marker '*amen*' take the second series of spatial suffixes (*-o̱e, -o̱a, -o̱o*) and are divided into two groups:

1. 20 and 30 are actually the original General Cardinal Numerals that became restricted to animacy uses

2. A suppletive form for ten

The forms with demonstrative prefixes (*ña-/nga-, mũ-/mu-, min-)* can also act as relativizers.

Where there is no distinctive Animate Demonstrative form, recourse is made of the Demonstrative Cardinal Numeral set (Section 17), except that the form for 1 is taken from the General Demonstrative set (see "Nauruan Demonstratives" by this author.)

Table 28. Animate Demonstrative Numeral.

		Simple	Emphatic	NEI	NEIII
One (suppletive) *Taken from General Demonstrative set*	Proximal	une	ngune ñune ṅune	mitune	bitune
	Medial	ia	ngea ñea ṅea	mituna	bita
				Syncopated form	
				mita	
	Distal	uno	nguno ñuno ṅuno	mituno	bituno
Two	Proximal	rumene	ngarumene ñarumene	minrumene minirumene	NEII
					murumene mũrumene
	Medial	rumena	ngarumena ñarumena	minrumena minirumena	murumena mũrumena
	Distal	rumeno	ngarumeno ñarumeno	minrumeno minirumeno	murumeno mũrumeno
Three	Proximal	iyimene jimene imene	ngaiyimene ñaijimene	miniyimene minijimene	muiyimene mũijimene
					Syncopated form
					miyimene mijimena
	Medial	iyimena jimena imena	ngaiyimena ñaijimena	miniyimena minijimena	muiyimena mũijimena
					Syncopated form
					miyimena mijimena

	Distal	iyimeno jimeno imeno	ngaiyimeno ñaijimeno	miniyimeno minijimeno	muiyimeno mũijimeno
					Syncopated form
					miyimeno mijimeno
Four	Proximal	amene	ngamene ñamene	minamene	muamene mũamene
	Medial	amena	ngamena ñamena	minamena	muamena mũamena
	Distal	ameno	ngameno ñameno	minameno	muameno mũameno
Ten (Suppletive)	Proximal	oäaọe	ṅoäaọe	minioäaọe	mụoäaọe
	Medial	oäaọa	ṅoäaọa	minioäaọa	mụoäaọa
	Distal	oäaọo	ṅoäaọo	minioäaọo	mụoäaọo
Twenty (Suppletive)	Proximal	rumaeọe	ṅarumaeọe	minirumaeọe	mụrumaeọe
	Medial	rumaeọa	ṅarumaeọa	minirumaeọa	mụrumaeọa
	Distal	rumaeọo	ṅarumaeọo	minirumaeọo	mụrumaeọo
Thirty (Suppletive)	Proximal	moeọe	ṅaijimoeọe	minijimoeọe minimoeọe	mụijimoeọe
	Medial	moeọa	ṅaijimoeọa	minijimoeọa minimoeọa	mụijimoeọa
	Distal	moeọo	ṅaijimoeọo	minijimoeọo minimoeọo	mụijimoeọo

Notes:

Notice the Function Vowel (Section 9.5.1.) appears before the spatial suffixes in the tens

Examples:

543.

a eäṅ amune, a eö eäṅ mụrumena arumen NG216
1S.DEP desire male+PROX 1S.DEP NEG desire NEII+two+ANIM+MED two+ANIM
I like this man, I do not like those two (men)

544.

ñait[21] eñame, arumet[21] ãn ñago ñarumena ñait[21] ãn ñea ta aiquen Eze 23:2
child+CONS AB+person two+ANIM female TEMP+DIST E+two+ANIM+MED child+CONS female E+MED only one
children of a person - there were in times past two women, thoe two were daughters of just one woman

545.

eita innen murumena ngain Zebedeus Matt 27:56 1976
female+MED mother+CONS NEII+two+ANIM+MED child+CONS Zebedee
that woman is mother of those two (sons) of Zebedee

546.

e dũbañai mũrumena iũ eow inimagõra memak Mark 6:41
3S.DEP distribute NEII+two+ANIM+MED AB+fish DIR among+3P.POS all
he shared out those two fish among them all

547.

mõ ũga bet Jakobus mi Johannes ñarumena ñain Zebedãus,
& be.so also Jacob & John E+two+ANIM+MED child+CONS Zebedee
ñarumena dañan Simon Lu 5:10 1976
E+two+ANIM+MED companion+CONS Simon
and it was the same also of Jacob (James) and John those two sons of Zebedee, those two friends of Simon

548.

tuk ngaga me ta oeiyo itangin bita eoagin emeg engame aiyimen,
still TEMP+MED & only stand by+3S.POS NEIII+MED AB+house+CONS 3S.DEP+dwell AB+person three+ANIM
miyimena eoiyon ame atin Caesarea Ac 11:11 1976
NEII+three+ANIM+MED 3S.DEP+send to+1S.DAT from+3S.POS Caesarea
immediately there stood by that dwelling-house three persons, those three (men) (whom) they sent from Caesarea to me

549.

ametimena Jacobus me Cephas me Johannes, ngaiyimena r ek ureiy
male+three+ANIM+MED James & Cephas & John E+three+ANIM+MED 3S.DEP make 3T.IND
yoret emogur, areiy raran demarumwin bemar amea Barnabas
post+CONS AB+work 3T.DEP shake left-hand+CONS hand+1D.EXC.POS male+MED Barnabas
Ga2:9 1976
those three men, James, Cephas, and John, those three there they have become the pillar of the work, they three shook the left-hand of the hands of me and Barnabas (INCLUSORY)

550.

bwe areiy eke aiyimen miyimena areiy oduwen angoget imin
for 3T.DEP act.as three+ANIM NEII+three+ANIM+MED 3T.DEP FAC+ture word+CONS AB+thing
eow ian oeron 1John 5:7 1976
DIR in+3S.POS cloud
for they act as three living beings, those three there they witness about things in heaven

551.

muamena re timor ro kwakwango beora n bwait eoeta Re 4:8 1976
NEII+four+ANIM+MED 3P.DEP live 3P.DEP CAUS+six+RED arm+3P.POS CON object+CON 3S.DEP+fly
those four living beings, they had six upper limbs each for the purpose of flight/six wings each

552.

bwe togin[sic; dogin] nungin aeoreiy miyimena engel aiyimen, miyimena
for reason+3S.POS sound+CONS voice+3T.POS NEII+three+ANIM+MED angel three+ANIM NEII+three+ANIM+MED
re nim kan oeong wongareiy trumpet Re 8:13 1976
3P.DEP MOD again FAC+cry RPOS+3T.POS trumpet
because of the sound of the voices of those three persons, the three angels, those three persons they should again make to sound their trumpets

553..

a nan okwadeiy murumena wonga amen oduwen
1S.DEP UNR FAC+grace+APPL NEII+two+ANIM+MED RPOS+1.S.POS male+CONS FAC+true
angogen imin Re 11:3 1976
word+CONS AB+thing
I will favour those two (men), my witnesses, about things

554.

eanni okanakanino aiyimen ngaiyimena tekeiy mungana frog
AB+spirit 3S.DEP+dirty three+ANIM E+three+ANIM+MED like NEII+MED.P frog
deideiureiy Re 16:13 1976
manner+3T.POS
three unclean spirits, those three there are like those frogs their manner

555.

bwe annit[39] devil ametimena, ngaiyimena oreita riring itema Re 16:14 1976
for spirit+CONS devil male+three+ANIM+MED E+three+ANIM+MED PROG do AB+sign
for those three living beings are spirits of the Devil, those three there are doing signs

556.

nuwawin müäeoa [sic; müoäaǫa] amän lepra NuwNT:Kapitel 51
concerning+3S.POS NEII+ten+ANIM+MED man+CONS leprosy
concerning those ten lepers

Acting as relativizers:

557.

A at aijimen anin omwarere ñaijimen etsitobo frosche Re 16:13
1S.DEP see three+ANIM spirit+CONS dirt E+three+ANIM+MED+ 3S.DEP+similar frogs
I saw three unclean spirits, the three that are similar to frogs

558.

bwũ ũrei anit diabolos, ñaijimen arei ririñ itema;
for 3T.IND spirit+CONS devil E+three+ANIM + 3T.DEP do AB+sign
ñaijimen arei naña monibain eat[21] eb memak Re 16:14
E+three+ANIM+ 3T.DEP go.to rule+CONS on+3S.POS AB+land all
for they are the spirits of demons, those three who perform signs, those three who go to the rulerships of all the Earth

19.1 Compound Animate Demonstrative Numerals.

Kayser states that the same pattern observed with the Demonstrative Cardinal Numeral (NG62) pertains to the Compound Animate Demonstrative Numeral set.

Any numerals in between are taken from the General Cardinal Numeral set (Section 11). The last part of the compound numeral is taken from the General Cardinal Numeral.

I have only found the following examples in the literature, but they do not precisely concur with Kayser's description (NG62) in that the last part of the element of the compound demonstrative numeral does not have a spatial suffix:

Examples:

559.
metat[21] imin bwe ngaga og Jesus in oereri muoaea [sic; muoea]
go.out+PERF AB+thing for TEMP+MED finish Jesus CONS learn NEII+ten.living.beings
me arumen rat[21] kereri me bwaoedat[27] atin ina Matt 11:1 1976
& two+ANIM branch+CONS AB+CAUS+learn & break.off+PERF from+3S.POS there
it then occurred that when Jesus finished teaching those twelve disciples, he then left from there

560.
eat[21] edae ngaga me ion ean muoea me arumen
on+3S.POS AB+time TEMP+MED & INDF on+3S.POS NEII+ten.living.beings & two+ANIM
ngea Judas Ischariot egen, enanga ngabuna priest ogoda Matt 26:14 1976
E+MED Judas Iscariot name+3S.POS 3S.DEP+go.to E+ANIM.P+MED priest 3S.DEP+high
at that time, one of the twelve, Judas Iscariot being his name, went to the high priests

561.
emwin muoea me arumen me oaweiyidan oiyotow[71] eat[21] eb
call NEII+ten.living.beings & two.ANIM & begin+CONS send+DIR on+3S.POS AB+land
ura in ekura karakarumen Mark 6:7 1976
3P.OBJ CONS call.out CAUS+two+RED+ANIM
he called for the twelve and began to send them out to the country by calling them two by two

562.
oa mwa nimen, muoea me aoiyu engame ngabuna bita turm in Silo
or 2P.DEP consider NEII+ten.ANIM & eight AB+person E+ANIM.P+MED NEIII+MED tower CONS Siloam
emeiwiduwa me abi ura…? Lu 13:4 1976
3S.DEP+fall.down+DIR9+to & kill 3P.OBJ
or how do you reckon it, those eighteen persons (those ten persons and eight) , those ones the tower of Siloam collapsed onto them and killed them

563.
oa mwa nimen, muoea me aoiyu engame ngabuna bita turm in Silo
or 2P.DEP consider NEII+ten.ANIM+MED & eight AB+person E+ANIM.P+MED NEIII+MED tower CONS Siloam
emeiwiduwa me abi ura…? Lu 13:4 1976
3S.DEP+fall.down+DIR9+to & kill 3P.OBJ

or how do you reckon it, those eighteen persons (those ten persons and eight) , those ones the tower of Siloam collapsed onto them and killed them

564.
mwa nimen, muoea me aoiyu engame ngabuna bita turm in Silo
2P.DEP consider NEII+ten.ANIM+MED & eight AB+person E+ANIM.P+MED NEIII+MED tower CONS Silo
emeiwiduwa me abi ura re dogedog eken…? Lu 13:4 1976
3S.DEP+fall.down & slay 3P.OBJ 3P.DEP guilt+RED INDF+CL20[21]
do you consider that those eighteen persons the tower in Silo collapsed and killed them were more guilty…?

565.
amea satan emetuw ian burioun amea Judas, ngea eiy egen bwe
male+MED Satan 3S.DEP+go.in+ DIR9 in+3.POS innards+CONS male+MED Judas E+MED 3S.IND name+3S.POS for
Iscariot me ngea eiy ion ean muoea me arumen Lu 22:3 1976
Iscariot & E+MED 3S.IND INDF on+3S.POS NEII+ten.ANIM & two+ANIM
Satan entered the heart of Judas, he having the name as Iscariot, and he being one from among those twelve

566.
ion ean muoea me arumen ita od ian obwen ngabuna Lu 22:47 1976
INDF on+3S.POS NEII+ten.ANIM & two.ANIM only pass in+3S.POS front+3S.POS E+ANIM.P+MED
one of those twelve went before those ones

567.
ro kearoeiy amerumena me bita ekearo engowong amea Matthias me
3P.DEP lot+APPL male+two+ANIM+MED & NEIII+MED AB+lot aim.at+SUCC male+MED Matthias &
eke baen muoeaoa me aikwen apostle amea Ac 1:26 1976
act.as complement+CONS NEII+ten.ANIM+MED & one apostle male+MED
they drew lots on those two men and the lot fell on Matthias and he became the compliment of those eleven apostles

Table 29. Indicative Table of compound Animate Demonstrative Numeral [inferred].

Number →	11	12	13
Simple	oäa m aiquön-o̧e /-o̧a/-o̧o	oäa m arumen-e/-a/-o	oäa m aijimen-e /-a/-o
E	ṅoäa m aiquön-o̧e /-o̧a/-o̧o	ṅoäa m arumen-e/-a/-o	ṅoäa m aijimen-e /-a/-o
NEI	minoäa m aiquön-o̧e /-o̧a/-o̧o	minoäa m arumen–e/-a/-o	minoäa m aijimen-e /-a/-o
NEII	mụoäa m aiquön -o̧e /-o̧a/-o̧o	mụoäa m arumen-e/-a/-o	mụoäa m aijimen-e /-a/-o
	14	15	16
Simple	oäa m amen-e /-a/-o	oäa m ijimo- o̧e/-o̧a/-o̧o	oäa m aṅo-o̧e/-o̧a/-o̧o
E	ṅoäa m amen-e /-a/-o	ṅoäa m ijimo- o̧e/-o̧a/-o̧o	ṅoäa m aṅo-o̧e/-o̧a/-o̧o
NEI	minoäa m amen-e /-a/-o	minoäa m ijimo- o̧e/-o̧a/-o̧o	minoäa m aṅo-o̧e/-o̧a/-o̧o
NEII	mụoäa m amen-e /-a/-o	mụoäa m ijimo- o̧e/-o̧a/-o̧o	mụoäa m aṅo-o̧e/-o̧a/-o̧o

20. Male Demonstrative Numeral.

The Male Demonstrative Numeral is limited to 2 and 3 and is composed of fusing the marker for 'male', *'amen'*, to the pre-existing fused Animate Numeral set based on *'amen'*, Animacy Marker (See Section 12.1.).

Table 30. Male Demonstrative Numeral.

Number	Proximity	End Form	Syncopated Form
Two males	Proximal	amerumene	None
	Medial	amerumena	None
	Distal	amerumeno	None
Three males	Proximal	ametiyimene ameitsijimene ametijimene	ametimene ameitsimene
	Medial	ametiyimena ameitsijimena ametijimena	ametimena ameitsimena
	Distal	ametiyimeno ameitsijimeno ametijimeno	ametimeno ameitsimeno

The origin of these forms, as stated previously, is by fusing the 'male' element *'amen'* to the pre-existing fused forms of the animate demonstrative numeral, i.e. :

amen + rumene > amerumene [Nauruan rhotic regressive assimilation process],

and so with medial and distal forms.

amen + iyimene
↓
ametiyimene [Nauruan denasalization process] , and so with medial and distal forms
↓
ametimene [syncope],

and so with medial and distal forms.

When the Male Demonstrative is followed by a proper name or a kinship noun, the gender specific demonstratives appear to act with little demonstrative function, they merely signify the gender and number of the named individuals and do not require an English translation. Like the other gender-specific demonstratives, it is not used as relativizer.

Examples:

568.
agen ameitsimena ñain epo a ñei Ge 7:7
spose+CONS male+three+ANIM+MED child+3S.POS together.with to E+3IND
the wives of those three sons of his with him

569.
ameitsimena urei nain Noa: mo oquet eb eow iturin an karig
male+three+ANIM+MED 3T.IND child+CONS Noah & 3S.DEP+fill AB+land DIR by+3S.POS GPOS+3S.POS CAUS+create
ameitsimene Ge 9:19
male+three+ANIM+PROX
those three men, they are the sons of Noah, and the earth was filled by the progeny of these three men

570.
ameitsimena amen oaio arei ba magen wañara tar in ake dei Philistia 2Sa 23:16
male+three+ANIM+MED male+CONS strong 3T.DEP break exhaust+CONS AR.POS+3P.POS place CON fight people.of Philistia
those three strong men broke the limit of the Philistine war encampment

571.
egen amerumena ñaiũrõr Ru 1:2
name+CONS male+two+ANIM+MED child+2D.POS
the names of the two sons of the two of them

572.

abumin ango iruwin me Jesus emwin ametimena Petrus me Jacobus me
NP+CL5[11] six after+3S.POS & Jesus call male+three+ANIM+MED Peter & Jacob (James) &
Johannes, ngea idin me edaw animwet etowedudu ion ogoda
John E+MED sibling+3S.POS & go.up+DIR9 atop+3S.POS AB+mountain INDF 3S.DEP+high
ametimena Matt 17:1 1976
male+three+ANIM+MED
six days later Jesus called for those three Peter Jacob (James) and John who was his brother and went up atop a high mountain those three men

573.

kania, bwe meta ea ureiy amerumena Moses me Elias Matt 17:3 1976
look for come.out to 3T.OBJ male+two+ANIM+MED Moses & Elijah
look, for Moses and Elijah came out to those three men

574.

ñag ameitsimena ran an kereri õkaiõt, arei toweitsiber,
TEMP+ male+three+ANIM+MED branch+CONS GPOS+3S.POS CAUS+learn 3S.DEP+hear 3T.DEP bow.down
mo ouwak aũrei miow Matt 17:6
& big GOS+3T.POS fear
when those three disciples heard it, they bowed down, and their fear was great

575.

iruwit edae eraquõ, õrren amea wõn temoniba ameitsimena itsiõ,
after+3S.POS AB+time 3S.DEP+short come+PERF male+MED RPOS+3S.POS lord male+three+ANIM+MED AB+servant
mõ õ õdadũien wõn imin itũrũrei Matt 25:19
& –- FACT+count+RED+PERF RPOS+3S.POS AB+thing by+3T.POS
a short time later the master of those three servants then came and he the took an accounting of the things the three had

576.

etuk redon me eed ametimena bwe areiy miyimiy bwe
3s+yet return+PERF & see male+three+ANIM+MED for 3T.DEP sleep for
roedun meoreiy Matt 26:43 1976
heavy+DIR+PERF eye+3T.POS
and he again returned and saw those three men that they slept for the eyes of the three of them had grown heavy

577.

e emwemwit[21] etõñin mi inen oniñ ia[14], ma ameitsimena dañan,
- call+RED father+CONS & mother+CONS young MED & male+three+ANIM+MED companion+3S.POS
me e metu ino emek oniñ ia Mark 5:40
& 3S.DEP go.in yonder 3S.DEP young MED
he called for the father and mother of that child and those three his companions, and he went in there aways where that child was

578.

ijegen aranon amea ñea ekowõñ a amen abab ngame,
who neighbour+CONS male+MED E+MED meet.up to male+CONS beat+RED person
inimagen ameitsimena? Lu 10:36
among+3S.POS male+three+ANIM+MED
who among those three men is the neighbour of the man who met up with the murderous men?

579.

omeata ko amea wo eiy eowen ean amerumena Ac 1:24 1976
bring.out COMM male+MED 2S.DEP chose DIR+PERF on+3S.POS male+two+ANIM+MED
show the one you have chosen from those two men

580.

re kearoeiy amerumena Ac 1:26 1976
3P.DEP draw.lots+APPL male+two+ANIM+MED
they drew lots for those two men

581.

amerumena Petrus me Johannes or akodaw iat temple Ac 3:1 1976
male+two+ANIM+MED Peter & John 3D.DEP go.up in+3S.POS temple
those two, Peter and John, went up into the Temple

582.

ngaga akodaten[21] ian ngabogena amerumena Ac 8:39 1976
TEMP+MED go.up+DIR8+PERF in+3S.POS E+CL4[10]+MED male+two+ANIM+MED
when those two men had risen from that body of water….

583.

ngaga ogin ngangatin a ametimena nuwawit[21] imin memag
TEMP+MED finish+CONS relate to male+three+ANIM+MED concerning+3S.POS AB+thing all
me oiyotow[71] Joppe ureiy Ac 10:8 1976
& send+DIR Joppa 3T.OBJ
when he had finished relating to those three men about all the things and he sent those three to Joppa

584.

ngaga tuk ian medena ametimena me ngag areiy turetuwa dagawa
TEMP+MED still in+3S.POS road male+three+ANIM+MED & TEMP+MED+ 3T.DEP draw.near+to town
Ac 10:9 1976
while those three men were still on the road, while the three of them drew near to the town

585.

kania, arei weijo itañin metoror ameitsimena ñaijimena ã õijõt[27]
look 3T.DEP stand by+3S.POS gate male+three+ANIM+MED E+three+ANIM+MED 3S.DEP send
atsin itũrin Kornelius, ñaijimen arei õreit ũdũdõ
from+3S.POS.DEP by+3S.POS.DEP Cornelius E+three+ANIM+MED+ 3T.DEP PROG ask+RED
an wak Simon Ac 10:13
GPOS+3S.POS house Simon
look, three of them stood by the gate, those three men, those three men were sent by Cornelius, those three men who were enquiring about the house of Simon

586.

ama oiyoten[21]amerumena Judas me Silas ngarumena or nan oraiy
1P.EXC.DEP send+PERF male+two+ANIM+MED Judas & Silas E+two+ANIM+MED 3D.DEP UNR utter
a kamie tuk minana ian auror dorer Ac 15:27 1976
to 2P.OBJ again NEI+MED.P in+3S.POS GPOS+2D.POS talk
we have now sent those two men, Judas and Silas, those two men will speak to you those same things in their talking

587.

oreita kamawireiy kamie amie Timotheus, ngea ranon mogur me
PROG greet+APPL 2P.OBJ 2P.IND Timothy E+MED companion+CONS work &
ametimena Lucius me Jason me Sosipater ngaiyimena
male+three+ANIM+MED Lucius & Jason & Sosipater E+three+ANIM+MED
amen ubwio Ro 16:21 1976
male+CONS homestead+1s
Timothy is greeting you, the one who is a work companion, and those three men Lucius, Jason, and Sosipater, those three men who are my kinfolk

588.

ngabuna inon re nim kamarar eiy ian aen ametimena 1Co 14:29 1976
E+ANIM.P+MED others 3P.DEP MOD think APPL in+3S.POS voice+CONS male+three+ANIM+MED
those others, let them think out in the words of those three men (let them discern the meaning of their words)

589.

a oreit eibogi dogin aureiy meg ine ametimena Stephanas
1S.DEP PROG joy reason+3S.POS GPOS+3T.POS dwell here male+three+ANIM+MED Stephnas
me Fortunatus me Achaicus 1Co 16:17 1976
& Fortunatus & Achaicus
I am glad for the reason of their staying here, those three Stephanas, Fortunatus and Achaicus

590.

dogin bwe ametimena areiy oangien mungana ekeow turumie 1Co 16:17 1976
reason+3S.POS for male+three+ANIM+MED 3T.DEP supply+PERF NEII+MED.P be.not+DIR by+2P.POS
because those three men have supplied those things you did not have

591.

dogin bwe ametimena areiy omaro maro nanga me marumie bet 1Co 16:18 1976
reason+3S.POS for male+three+ANIM+MED 3T.DEP refresh E+1S.IND & mind+2P.POS also
because those three men they refreshed me and your spirits too

592.

a oiyoten ametimena idiedita bet ngaga 2Co 9:3 1976
1S.DEP send+PERF male+three+ANIM+MED sibling+RED+1P.INC.POS also TEMP+MED
I have already sent those three brothers of ours also at that time

593.

ametimena Jacobus me Cephas me Johannes, ngaiyimena r ek ureiy
male+three+ANIM+MED Jacob (James) & Cephas & John E+three+ANIM+MED 3P.DEP act.as 3T.IND
yoret[21] emogur Ga 2:9 1976
post+CONS AB+work
those three men, Jacob (James), Cephas, and John, those three men have acted as the pillar of the work

594.

bwe annit[39] devil ametimena, ngaiyimena oreita riring itema Re 16:14 1976
for spirit+CON devil male+three+ANIM+MED E+three+ANIM+MED PROG do AB+sign
for those three living beings are spirits of the Devil, those three there who are performing signs

595.

amärumena ör katot[21] erenimi ñag anbumin Nuw 20:1
male+two+ANIM+MED 3D.DEP CAUS+one AB+dream TEMP+MED+ at.night
those two men, they had one dream each when it was night

597.

ada wo eo dorera amerumena bwe enim eo kor ouwak
why 2S.DEP NEG talk+to male+two+ANIM+MED for 3S.DEP+MOD NEG INTENS big
aurur idodo? hsd16p 58
GPOS+2D.POS laugh+RED
why don't you tell those two there that their laughter should not be so loud

598.
ngaiyimine ametsimine, dereder kor araiy lay down eiy ngarana wangareiy
E+three+male+PROX male+three+PROX clean INTENS 3T.DEP lay down APPL E+CL30+MED RPOS+3T.POS
submission, me anga retsineiy bed me a ied ngana tsimine an eimwi ian hsd
submission & 1S.DEP read+APPL also & 1S.DEP see E+MEDP exist GPOS+3S.POS right in+3S.POS
these three men, it is most proper that they lay down those written submissions of theirs, and I read them also and I find that there is justification in them

599.
eo recognise eiy ametsimina officers ina iyan Melbourne *hsd-11p-19940625*
NEG recognize APPL male+three+ANIM+MED officers there in+3S.POS Melbourne
not recognize those three officers there in Melbourne

6 0 0 .
ametsimina aiyimen parin accept eiy *hsd-17p-20070828*
male+three+ANIM+MED three+ANIM speed+CONS accept APPL
those three men quickly accepted it

601.
ateng otubwa amebuna rat Cabinet, Ministers ngabuna oango dogin
1S.DEP+want thank male+ANIM.P+MED branch+CONS Cabinet Ministers E+ANIM.P+MED FV+six reason+3S.POS
aura ita meg me buok ametsimina aiyimen ine *hsd-11p-19940625*
GPOS+3P.POS only dwell & help male+three+ANIM+MED three.ANIM here
I want to thank the members of the Cabinet, the six Ministers for their assisting those three men

Johnson (2000:169) records an irregular, syncopated form : merome.

20.1. Lone Male Demonstrative Numeral.

Kayser also gives a fused form for 30 males (NG32):

Table 31. Lone Male Demonstrative Numeral for 30.

		Simple	Emphatic	NEI	NEII
30 males	Proximal	ametimoeo̱e	ńametimoeo̱e	minimetimoeo̱e	mụ̀metimoeo̱e
	Medial	ametimoeo̱a	ńametimoeo̱a	minimetimoeo̱a	mụ̀metimoeo̱a
	Distal	ametimoeo̱o	ńametimoeo̱o	minimetimoeo̱o	mụ̀metimoeo̱o

Why there should be this single distinct male demonstrative is a mystery. It seems to be

ased on *'amen'*, *'male'* and *'iyumo'*, *'thirty'*, Animate Cardinal Numeral, i.e. :

amen + iyumo > ametiyumo [in keeping with Nauruan denasalization process]

↓

ametimo [by syncopation]

This fused form uses the secondary set of spatial suffixes, *-o̤e*, *-o̤a*, *-o̤o* which indicates it is a later fused form that happened after *'amen'* ceased to have the original meaning of Animacy Marker .

21. Female Demonstrative Numeral.

The Female Demonstrative Numeral is composed of fusing the marker for 'female', *'en'*, to the pre-existing fused Animate Numeral set based on *'amen'*, Animacy Marker. Like the other gender-specific demonstratives, it is not used as relativizer.

Table 32. Female Demonstrative Numeral.

Number	Proximity	End Form	Syncopated Form
Two Females	Proximal	eirumene ãirumene ärumene	None
	Medial	eirumena ãirumena ärumenea	None
	Distal	eirumeno ãirumeno ärumeno	None
Three Females	Proximal	etiyimene ãitsijimene ätijimene	etimene ãitsimene ätimene
	Medial	etiyimena ãitsijimena ätijimena	etimena ãitsimena ätimena
	Distal	etiyimeno ãitsijimeno ätijimeno	etimeno ãitsimeno ätimeno

The origin of these forms, as stated previously, is by fusing the 'female' element *'en'* to the pre-existing fused forms of the animate demonstrative numeral, i.e. :

en + rumene > erumene [Nauruan rhotic regressive assimilation process],

and so with medial and distal forms.

en + iyimene >etiyimene [denasalization]

> etimene [syncope]

and so with medial and distal forms.

Unless special emphasis is evident, when the Female Demonstrative is followed by a proper name or a kinship noun, the gender specific demonstratives appear to act with little demonstrative function, they merely signify the gender and number of the named individuals and do not require an English translation.

Examples:

602.
e meken iat[21] eraõ, ũrei ãirumena ñain Ge 19:30 [INCLUSIVE]
3S.DEP dwell+PERF in+3S.POS AB+cave 3T.DEP female+two+ANIM+MED child+3S.POS
he proceeded to dwell in a cave, he and his two daughters

603.
eogoda ãita me ãirumena ijiben Ru 1:6
3S.DEP+get.up female+MED & female+two+ANIM+MED in-law+3S.POS
she and her two daughters-in-law got up

604.
re etsiõ a ãitsimena edũra Job 1:4
3P.DEP send to female+three+ANIM+MED sibling+3P.POS
they sent for their three sisters

21.1. Use of Female Demonstrative Numeral for Mixed Gender Groups.

When a group has one or more females in it, the female demonstratives take precendence to covers such groupings.

Examples:

605.
ngaga Maria ngea innen, me Joseph ar ogiten oedeneiy uror eirumena Matt 1:18 1976
TEM+MED Mary E+MED mother+3S.POS & Joseph 3D.DEP COMP betrothe+APPL 3D.IND female+two+ANIM+MED
at that time Mary his mother and Joseph, those two were betrothed to each other

606.
inan kewin a eita agen me eirumena or nan ta eke
UNR associate to female+MED spouse+3S.POS & female+two+ANIM+MED 3D.DEP UNR only make
uror aikwet[39] duworor Matt 19:1976
2D.IND one flesh+3D.POS
he will stick to his wife and those two will become one flesh]

607.

ngagan, amea emman inan ngaunit eirumena etongin
therefore, male+MED AB+ male UNR leave female+two+ANIM+MED father+3S.POS
me innen Mark10:7 1976
& mother+S.POS
therefore, the man will leave his father and his mother

608.

ngaga, teon aro tuworor eirumena bwe ita aikwen Mark 10:8 1976
TEMP+MED only+NEG+PERF two flesh+3D.POS female+two+ANIM+MED for only one
so then, now those two (husband and wife) it is not two their flesh but just one

609.

wo nim eredu eirumena etongum me innom Mark 10:19 1976
2S.DEP MOD honour female+two+ANIM+MED father+2S.POS & mother+2S.POS
you must honour your father and your mother

610.

etsimine priester ion ñea Zacharias egen… me etsimine agen…
3S.DEP+exist priest INDF E+MED Zechariah name+3S.POS & 3S.DEP+exist spouse+3S.POS
ñea Elisabeth egen. me ãirumena ar omo
E+MED Elizabeth name+3S.POS & female+two+ANIM+MED 3D.DEP good
ian men Gott Lu1:5,6
in+3S.POS eye+3S.POS God
there was a priest called Zechariah and there was his wife called Elizabeth and those two were righteous in the sight of God

611.

me metat[21] imin, bwe ngaga eirumena or meg ina,
& go.out+PERF AB+thing for TEMP+MED female+two+ANIM+MED 3D.DEP dwell there
me goron an bum eita nim pudu ngain Lu2:6 1976
& complete+PERF G.POSS+3S.POS day female+MED MOD fall child+3S.POS
and it occurred that while they [husband and wife] were there, her days came to the full for her to give birth

612.

yegen ngea edura, amune oa eirumena innen me etongin John 9:2 1976
who E+MED 3S.DEP+sin male+PROX or female+two+ANIM+MED mother+3S.POS & father+3S.POS
who is the one who sinned, this man or those two – his mother and his father?

613.

eogodan amea iking me amea ngeet demoniba me eita Bernice
3s+get.up+PERF male+MED AB+king & male+MED deputize+CONS Lord & female+MED Berenice
me ngabuna re megeda tangit[21] eitimena Ac 26:30 1976
& E+ANP+MED 3P.DEP sit.down by+3S.POS. female+three+ANIM+MED
the king then got up and his deputy and Berenice and those (other) ones sat down alongside those three

614.

oreita kamakamawir eiy kamie eow iat[39] Demoniba eirumena
PROG greet+RED APPL 2P.OBJ DIR in+3S.POS Lord female+two+ANIM+MED
Aquila me Priscilla 1Co 16:19 1976
Aquila & Priscilla
those two – Aquila and Proscilla – they are continually greeting you in the Lord

615.

tsinia erumena enamwen mere tsimine aurur ekekae eat deidein
COND female+two+ANIM+MED female+CONS marry exist GPOS+3D.POS different+RED on+3S.POS manner+3S.POS
aurur mek epo NB
GPOS+3D.POS dwell together
if the married couple have disputes in the manner of their dwelling together

21.2. Lone Female Demonstrative Numeral.

Kayser also gives a fused form for 30 females, or an unspecified number of females (NG32):

Table 33. Lone Female Demonstrative Numeral for 30.

		Simple	Emphatic	NEI	NEII
30 females	Proximal	ätijumoeo̱e	nätijumoeo̱e	minätijumoeo̱e	mụätijumoeo̱e
	Medial	ätijumoeo̱a	nätijumoeo̱a	minätijumoeo̱a	mụätijumoeo̱a
	Distal	ätijumoeo̱o	nätijumoeo̱o	minätijumoeo̱o	mụätijumoeo̱o

This is a mysterious doublet with the lone male demonstrative for 30 males . This female form has the same origin as the male but unlike the male form it has not undergone syncopation. It is based on *'en'*, *'female'* and *'iyumo'*, *'thirty'*, Animate Cardinal Numeral (see Section 27), i.e. :

en + iyumo > etiyumo [in keeping with Nauruan denasalization process]

This fused form uses the secondary set of spatial suffixes, *-o̱e*, *-o̱a*, *-o̱o* which indicates it is a later fused form.

22. *aben* Demonstrative Numeral (Mixed Gender Demonstrative Numeral).

There is a very small set of mixed gender demonstrative numerals based of the pre-existing Animate Demonstrative Numerals for 2 and 3, by the addition of a prefix *'aben'* . The origin of this prefix in not known.

Its formation is:

aben + rumene > aberumene [Nauruan rhotic regressive assimilation process],

and so with medial and distal forms.

aben + iyimene > abetiyimene [Nauruan denasalization process]

↓

abetimene [by syncopation]

and so with the medial and distal forms.

Kayser (NG31) gives the following gloss for these forms:

'aberumene' (male & female) these two here

'abetimene' (male & female) these three here

Its unclear how this demonstrative functioned as I have only found few occasions in the published materials, and they seem to apply to males. Johnson (2002:52) defines *aben* as 'expressing affection', which would accord with Example 352.

Examples:

616.
wo nim õpan bwa aberumene ñaiũ arũmõ megeda,
2S.DEP MOD speak for *aben*+two+ANIM+PROX child+1S.POS 3D.DEDP+MOD sit.down
ion eat damarũmũm mi ion eat[39] damauwũm ian monibaim Matt 20:21
INDF on+3S.POS right-hand+2S.POS & INDF on+3S.POS left-hand+2S.POS in+3S.POS rule+2S.POS
command that these two sons of mine should sit, one on your right hand, and one on your left hand, in your kingdom

617.
anga allow ei uw, me eiki egeten[21] wam question ngage
1S.DEP allow APPL 2S.OBJ & not.know how.many+PERF RPOS+2S.POS question TEMP+PROX
aiquen ngea oijaw me aijimo wo obu. iju bed aberumene.
one E+MED give.to+2S.OBJ & five 2S.DEP carry more also *aben*+two+ANIM+PROX
iju amuno me iju bed amune hsd-14p-20000622-1s3m.v1
more male+DIST & more also male+PROX
I allow you, but I don't know now how many your questions are. I give you one but its five that you take yet more also these two here. yet more that one yonder and more yet also this one here

23. Alternative Strategies for the demonstrative function with Animacy.

The Animate Cardinal Numeral can be preceded by an appropriate animate or gender-specific demonstrative.

Examples:

618.
me emwin ngabuna ran an kereri ngabuna oea me arumen
& call E+ANIM.P+MED branch+CONS GPOS+3S.POS CAU+learn E+ANIM.P+MED ten.ANIM & two+ANIM
Matt 10:1 1976
and he called his disciples , The Twelve

619.
Jesu õijõn amebũna waea ma arumen, mõ õ pan a ũra Matt 10:5 1976
Jesus send male+ANIM.P+MED ten.ANIM & two+ANIM & --- speak to 3P.OBJ
Jesus sent The Twelve and spoke to them

620.
Jesus oiyot eaeow mibuna oea me arumen me dogereiy ura Matt 10:5 1976
Jesus send DIR NEI+ANIM.P+MED ten.ANIM & two+ANIM & law+APPL 3P.OBJ

621.
amebuna oea inon ngaga ro kaiyot ngeiyina
male+ANIM.P+MED ten.ANIM others TEMP+MED 3P.DEP hear E+CL11[5]+MED
me ro angangoten[21] amerumena edini Matt 20:24 1976
& 3P.DEP wrath+COM+PERF male+two+ANIM+MED sibling+MUT
those ten other men when they heard that word, they were then wrathful against those two men in a sibling relationship/those two men who were brothers

622.
einibuna aiyimo ro kabaed ro obu wongara deraim Matt 25:3 1976
female+ANIM.P+MED five 3P.DEP unwise 3P.DEP bring RPOS+3P.POS lamp
and those five unwise women, they brought their lamps

623.
ion ean amebũna waea ma arumen, ñea Judas Ischariot egen,
INDF on+3S.POS male+ANIM.P+MED ten.ANIM & two+ANIM E+MED Judas Iscariot name+3S.POS
enaña priester ñabũn õkaganado Matt 26:14
3S.DEP+go.to priests E+ANIM.P+ important
one of the twelve, Judas Iscariot *being* his name, went to those chief priests

624.
me e emwemwin amebũna waea ma arumen mõ õ õijõn ũrañ[47]
& --- call male+ANIM.P+MED ten.ANIM & two.ANIM & --- send 3P.OBJ+VNI
in karakarumen Mark 6:7
CONS CAUS+two+ANIM+RED
and he called The Twelve and sent them by twos

625.
kaiya re eke oea me arumen ngabuna Ac 19:7 1976
maybe 3P.DEP make ten.ANIM & two.ANIM E+ANIMP+MED
those men numbered perhaps twelve

24. Classificatory Demonstrative Numerals.

The Classificatory Demonstrative Numeral was probably the final development in the spread of the numeral classifier, and is one of the unique features of the Nauruan language.

The Classificatory Demonstrative Numeral Simple Form is derived from the Classificatory Cardinal Numeral (Section 14) , which is itself derived from the General Cardinal Numeral (Section 11).

As mentioned in Section 14, the Nauruan way of life has changed totally since the colonial period into the first half of the last century. Objects and and customs and other things associated with cultural elements of Nauruan life have dissapeared, and along with them the intricacies of the Nauruan classificatory system. The following information is by and large of historic interest. Only the most commonly used classifiers have survived into the present age.

The information has been adapted largely from Kayser's Nauru Grammar, pages 69 – 74.

As with all the numeral forms, only those distinct forms in use recorded by Kayser are given, those that lack fused forms make recourse to the Classificatory Numeral Particle (See Section 14.3.1.) in conjunction with the General Cardinal Numeral (Section 11).

The classificatory demonstrative numerals employ Set II spatial suffixes (except for the forms for 'one' indicating a formation at different points in Nauruan language development) - i.e.

–oe [-o̱ e/-we] for proximal
-oa [-o̱ a/-wa] for medial
-oo [-o̱ o/wo] for distal

24.1. Classificatory Demonstrative Numerals Low Numerals 1 - 4.

The composition of the classificatory demonstrative numeral low numbers is:

Demonstrative prefix + number element + Classifier + spatial suffix

The forms for "one" stand out in that they do not have the spatial suffixes Set II, having the more regular Set I spatial suffixes (*–ne/-na/-no*) and that the simple forms and the expanded non-emphatic I (NEI) forms (that is, bearing the prefix *min*) are identical to the corresponding forms of the classificatory demonstrative set.

The expanded demonstratives bearing the emphatic prefix *ña/nga/ṅa*, and the non-emphatic prefix II (NEII) *mũ/mu/mụ*, differ from the classificatory demonstrative series in that *ai* appears as an infix meaning "one". The sequence *nga + ai* is simplified to *ngai-*

Where the classifier has an initial "*i*", this coalesces with the element *ai* , i.e.

CL 15 [13] ṅa +a i + ime > ṅaime
CL 16 (38) ṅa + ai + in[i] > ṅain[i]
CL 17 (35) ṅa + ai + inä > ṅainä
CL 18 (14) ṅa + a i + ire > ṅaire
CL 19 (36) ṅa + a i + iwi > ṅaiwi

The result is that in these cases, the classificatory demonstrative numeral set for "one" is identical to the classificatory demonstrative set.

Equally, where the classifier has an initial "*e*", theN the element *ai* is simplified, i.e.

CL 11 (7) ṅa + ai +eiji > ṅaeiji
CL 12 (5) ṅa +a i + eo > ṅaeo

In these cases, too, the classificatory demonstrative numeral set for "one" is identical to the classificatory demonstrative set.

With the classifier *ea* (CL 9 (20)) it is not clear how great the phonetic difference was between the classificatory demonstrative set and the classificatory demonstrative numeral set, i.e.:

CL 9 (20) ṅaia –ne/-na/no versus ṅaea –ne/-na/no

minia –ne/-na/no versus minea –ne/-na/no

mụia –ne/-na/no versus mụea –ne/-na/no

With the recorded sets for CL 1(16), 6 (32), 21 (4), 25 (31), 27 (6), 29 (30), and 35 (23), a distinct form is only recorded for the emphatic demonstrative set, otherwise the non-emphatic forms are identical to the classificatory demonstrative forms.

Table 34. Classificatory Demonstrative Numeral Low Numerals (adapted from Kayser Nauru Grammar pages 43 – 61).

		Number			
		1	2	3	4
Classifier 1 [16] ae [aʲæ]	Simple Form	ae-ne/-na/-no	ruae -ọ e/-ọ a/-ọ o	ijae -ọ e/-ọ a/-ọ o	ae -ọ e/-ọ a/-ọ o
	Emphatic Form (E Form)	ṅaiae-ne/-na/-no	ṅaruae -ọ e/-ọ a/-ọ o	ṅaijae -ọ e/-ọ a/-ọ o	ṅaae -ọ e/-ọ a/-ọ o
	Non-Emphatic I Form (NEI Form)	minae-ne/-na/-no	miniruae -ọ e/-ọ a/-ọ o	minijae -ọ e/-ọ a/-ọ o	minae -ọ e/-ọ a/-ọ o
	Non-Emphatic II Form (NEII Form)	mụae-ne/-na/-no	mụruae -ọ e/-ọ a/-ọ o	mụijae -ọ e/-ọ a/-ọ o	mụae -ọ e/-ọ a/-ọ o
Classifier 2 [17] bañ̃o/bañ̃go/bañ̃o [bʌŋo]	Simple Form	bañ̃o –ne/-na/-no	rubañ̃o -ụe/-ụa/-ụo	ijibañ̃o -ụe/-ụa/-ụo	abañ̃o -ụe/-ụa/-ụo
	Emphatic Form (E Form)	ṅaibañ̃o –ne/-na/no	ṅarubañ̃o -ụe/-ụa/-ụo	ṅaijibañ̃o -ụe/-ụa/-ụo	ṅabañ̃o -ụe/-ụa/-ụo
	Non-Emphatic I Form (NEI Form)	minibañ̃o –ne/-na/-no	minirubañ̃o-ụe/-ụa/-ụo	minijibañ̃o -ụe/-ụa/-ụo	minabañ̃o -ụe/-ụa/-ụo
	Non-Emphatic II Form (NEII Form)	mụibañ̃o –ne/-na/-no	mụrubañ̃o -ụe/-ụa/-ụo	mụijibañ̃o -ụe/-ụa/-ụo	mụabañ̃o -ụe/-ụa/-ụo
Classifier 3 [8] be/bä [be]	Simple Form	bä –ne/-na/-no	rabä -ọ e/-ọ a/-ọ o	aijibä -ọ e/-ọ a/-ọ o	abä -ọ e/-ọ a/-ọ o
	Emphatic Form (E Form)	ṅaibä -ne/-na/-no	ṅarabä -ọ e/-ọ a/-ọ o	ṅaijibä -ọ e/-ọ a/-ọ o	ṅabä -ọ e/-ọ a/-ọ o
	Non-Emphatic I Form (NEI Form)	minibä -ne/-na/-no	minirabä -ọ e/-ọ a/-ọ o	minijibä -ọ e/-ọ a/-ọ o	minibä -ọ e/-ọ a/-ọ o
	Non-Emphatic II Form (NEII Form)	mụbä -ne/-na/-no	mụrabä -ọ e/-ọ a/-ọ o	muijiụbä -ọ e/-ọ a/-ọ o	mụabä –ọ e/-ọ a/-ọ o
Classifier 4 [10]) bõk/bog/bög [bʲəg]	Simple Form	böge –ne/-na/-no	rabög –ọ e/-ọ a/-ọ o	ijibög –ọ e/-ọ a/-ọ o	abög –ọ e/-ọ a/-ọ o
	Emphatic Form (E Form)	ṅaiböge –ne/-na/-no	ṅarabög –ọ e/-ọ a/-ọ o	ṅaijibög -ọ e/-ọ a/-ọ o	ṅabög -ọ e/-ọ a/-ọ o
	Non-Emphatic I Form (NEI Form)	miniböge –ne/-na/-no	minirabög –ọ e/-ọ a/-ọ o	minijibög –ọ e/-ọ a/-ọ o	minabög –ọ e/-ọ a/-ọ o
	Non-Emphatic II Form (NEII Form)	mụböge –ne/-na/-no miböge –ne/-na/-no	mụrabög –ọ e/-ọ a/-ọ o	mụijibög –ọ e/-ọ a/-ọ o	mụabög –ọ e/-ọ a/-ọ o
Classifier 5 [11] bũm/büm/bum [bɨm]	Simple Form	bümi –ne/-na/-no	rabüm –ọ e/-ọ a/-ọ o	ijibüm –ọ e/-ọ a/-ọ o	eabüm –ọ e/-ọ a/-ọ o
	Emphatic Form (E Form)	ṅaibümi –ne/-na/-no	ṅarabüm –ọ e/-ọ a/-ọ o	ṅaijibüm-ọ e/-ọ a/-ọo	ṅaeabüm -ọ e/-ọ a/-ọ o
	Non-Emphatic I Form (NEI Form)	minibümi –ne/-na/-no	minirabübög –ọ e/-ọ a/-ọ o	minijibüm–ọ e/-ọ a/-ọ o	mineabüm–ọ e/-ọ a/-ọ o
	Non-Emphatic II Form (NEII Form)	mụibümi –ne/-na/-no mibümi –ne/-na/-no	mụrabüm –ọ e/-ọ a/-ọ o	mụijibüm –ọ e/-ọ a/-ọ o	mụeabüm –ọ e/-ọ a/-ọ o
Classifier 6 [32] bwere/buere [bʷere]	Simple Form	buere–ne/-na/-no	rabuer–ọ e/-ọ a/-ọ o	ijubuer–ọ e/-ọ a/-ọ o	abuer–ọ e/-ọ a/-ọ o
	Emphatic Form (E Form)	ṅaibuere–ne/-na/-no	ṅarabuer–ọ e/-ọ a/-ọ o	ṅaijubuer-ọ e/-ọ a/-ọo	ṅabuer-ọ e/-ọ a/-ọ o
	Non-Emphatic I Form (NEI Form)	minibuere–ne/-na/-no	minirabuer–ọ e/-ọ a/-ọ o	minijubuer–ọ e/-ọ a/-ọ o	minabuer–ọ e/-ọ a/-ọ o
	Non-Emphatic II Form (NEII Form)	mụbuere–ne/-na/-no	mụrabuer–ọ e/-ọ a/-ọ o	mụijubuer–ọ e/-ọ a/-ọ o	mụabuer–ọ e/-ọ a/-ọ o
Classifier 7 [19/18] bwetsi/bweti/bueti~ mwetsi/mweti/mueti [bweitsi~bwei3i/ mweitsi~mwei3i	Simple Form	buäti–ne/-na/-no buät-e/-a/-o muäti–ne/-na/-no muät-e/-a/-o	rabuäij–ọ e/-ọ a/-ọ o ramuäij–ọ e/-ọ a/-ọ o	ijubuäij–ọ e/-ọ a/-ọ o ijumuäij–ọ e/-ọ a/-ọ o	abuäij-ọ e/-ọ a/-ọ o amuäij–ọ e/-ọ a/-ọ o
	Emphatic Form (E Form)	ṅaibuäti–ne/-na/-no ṅaibuät-e/-a/-o ṅaimuäti–ne/-na/-no ṅaimuät-e/-a/-o	ṅarabuäij–ọ e/-ọ a/-ọ o ṅaramuäij–ọ e/-ọ a/-ọ o	ṅaijubuäij-ọ e/-ọ a/-ọo ṅaijumuäij-ọ e/-ọ a/-ọo	ṅabuäij-ọ e/-ọ a/-ọ o ṅamuäij-ọ e/-ọ a/-ọ o
	Non-Emphatic I Form (NEI Form)	minibuäti–ne/-na/-no minibuät–e/-a/-o mibuät-e/-a/-o minimuäti–ne/-na/-no minimuät–e/-a/-o mimuät-e/-a/-o	minirabuäij–ọ e/-ọ a/-ọ o miniramuäij–ọ e/-ọ a/-ọ o	minijubuäij–ọ e/-ọ a/-ọ o minijumuäij–ọ e/-ọ a/-ọ o	minabuäij–ọ e/-ọ a/-ọ o minamuäij–ọ e/-ọ a/-ọ o
	Non-Emphatic II Form (NEII Form)	mụibuäti-ne/-na/-no mụbuät-e/-a/-o	mụrabuäij–ọ e/-ọ a/-ọ o mụramuäij–ọ e/-ọ a/-ọ o	mụijubuäij–ọ e/-ọ a/-ọ o mụijumuäij–ọ e/-ọ a/-ọ o	mụabuäij–ọ e/-ọ a/-ọ o mụamuäij–ọ e/-ọ a/-ọ o

		mụimuäti-ne/-na/-no mụmuät-e/-a/-o			
Classifier 8 [34] dume [duume]	Simple Form	dume–ne/-na/-no	rodum –ọ e/-ọ a/-ọ o	ịjidum –ọ e/-ọ a/-ọ o	adum–ọ e/-ọ a/-ọ o
	Emphatic Form (E Form)	ṅaidume–ne/-na/-no	ṅarodum–ọ e/-ọ a/-ọ o	ṅaijidum-ọ e/-ọ a/-ọo	ṅadum-ọ e/-ọ a/-ọ o
	Non-Emphatic I Form (NEI Form)	minidume–ne/-na/-no	minirodum–ọ e/-ọ a/-ọ o	minijidum-ọ e/-ọ a/-ọ o	minadum–ọ e/-ọ a/-ọ o
	Non-Emphatic II Form (NEII Form)	midume–ne/-na/-no	mụrodum-ọ e/-ọ a/-ọ o	mụịjidum–ọ e/-ọ a/-ọ o	mụadum-ọ e/-ọ a/-ọ o
Classifier 9 [20] ea [eⱼæ]	Simple Form	ea–ne/-na/-no	rua-ọ e/-ọ a/-ọ o	ịja–ọ e/-ọ a/-ọ o	aea–ọ e/-ọ a/-ọ o
	Emphatic Form (E Form)	ṅaia–ne/-na/-no ṅaea–ne/-na/-no	ṅarua–ọ e/-ọ a/-ọ o	ṅaija-ọ e/-ọ a/-ọo	ṅaea-ọ e/-ọ a/-ọ o
	Non-Emphatic I Form (NEI Form)	minia–ne/-na/-no minea–ne/-na/-no	minirua–ọ e/-ọ a/-ọ o	minija–ọ e/-ọ a/-ọ o	minaea–ọ e/-ọ a/-ọ o
	Non-Emphatic II Form (NEII Form)	mụia–ne/-na/-no mụea–ne/-na/-no	mụrua–ọ e/-ọ a/-ọ o	mụija–ọ e/-ọ a/-ọ o	mụaea–ọ e/-ọ a/-ọ o
Classifier 10 [15] eb/äb [eb]	Simple Form	ebe–ne/-na/-no	rabọ e/-ọ a/-ọ o	ịjabo–ọ e/-ọ a/-ọ o	ab–ọ e/-ọ a/-ọ o
	Emphatic Form (E Form)	ṅaibe–ne/-na/-no	ṅarab-ọ e/-ọ a/-ọ o	ṅaijab-ọ e/-ọ a/-ọo	ṅab-ọ e/-ọ a/-ọ o
	Non-Emphatic I Form (NEI Form)	minebe–ne/-na/-no	minirab–ọ e/-ọ a/-ọ o	minijab-ọ e/-ọ a/-ọ o	minab–ọ e/-ọ a/-ọ o
	Non-Emphatic II Form (NEII Form)	mụibe–ne/-na/-no	mụrab–ọ e/-ọ a/-ọ o	mụịjab–ọ e/-ọ a/-ọ o	mụab–ọ e/-ọ a/-ọ o
Classifier 11 [7] eij/eiyi [eiyi/ei3i]	Simple Form	eiji-ne/-na/-no	reij-ọ e/-ọ a/-ọ o	aijeij–ọ e/-ọ a/-ọ o	aeij-ọ e/-ọ a/-ọ o
	Emphatic Form (E Form)	ṅaeiji-ne/-na/-no ṅeiji-ne/-na/-no	ṅareij-ọ e/-ọ a/-ọ o	ṅaijeij-ọ e/-ọ a/-ọo	ṅaeij-ọ e/-ọ a/-ọ o
	Non-Emphatic I Form (NEI Form)	mineiji–ne/-na/-no	minireij-ọ e/-ọ a/-ọ o	mineijeij-ọ e/-ọ a/-ọ o	minaeij–ọ e/-ọ a/-ọ o
	Non-Emphatic II Form (NEII Form)	mụeijine/-na/-no	mụreij-ọ e/-ọ a/-ọ o	mụịjeij–ọ e/-ọ a/-ọ o	mụaeij–ọ e/-ọ a/-ọ o
Classifier 12 [5] eo [eⱼo]	Simple Form	o–ne/-na/-no	ra-ọ e/-ọ a/-ọ o	aija–ọ e/-ọ a/-ọ o	aea–ọ e/-ọ a/-ọ o
	Emphatic Form (E Form)	ṅaeo–ne/-na/-no	ṅara-ọ e/-ọ a/-ọ o	ṅaija-ọ e/-ọ a/-ọo	ṅaea-ọ e/-ọ a/-ọ o
	Non-Emphatic I Form (NEI Form)	mineo–ne/-na/-no	minira–ọ e/-ọ a/-ọ o	minaija-ọ e/-ọ a/-ọ o	minaea–ọ e/-ọ a/-ọ o
	Non-Emphatic II Form (NEII Form)	mụeo–ne/-na/-no	mụra–ọ e/-ọ a/-ọ o	mụịja–ọ e/-ọ a/-ọ o	mụaea-ọ e/-ọ a/-ọ o
Classifier 13 [12] ga [gʌ]	Simple Form	ga-ne/-na/-no	ruga-ọ e/-ọ a/-ọ o	ịjiga–ọ e/-ọ a/-ọ o	aga–ọ e/-ọ a/-ọ o
	Emphatic Form (E Form)	ṅaiga–ne/-na/-no	ṅaruga-ọ e/-ọ a/-ọ o	ṅaijiga-ọ e/-ọ a/-ọo	ṅaga-ọ e/-ọ a/-ọ o
	Non-Emphatic I Form (NEI Form)	miniga–ne/-na/-no	miniruga–ọ e/-ọ a/-ọ o	minijiga-ọ e/-ọ a/-ọ o	minaga–ọ e/-ọ a/-ọ o
	Non-Emphatic II Form (NEII Form)	mụiga–ne/-na/-no	mụruga–ọ e/-ọ a/-ọ o	mụịjiga–ọ e/-ọ a/-ọ o	mụaga-ọ e/-ọ a/-ọ o
Classifier 14 [24] ga/gạ [gæ]	Simple Form	gạ-ne/-na/-no	rugạ-ọ e/-ọ a/-ọ o	ịjigạ–ọ e/-ọ a/-ọ o	agạ–ọ e/-ọ a/-ọ o
	Emphatic Form (E Form)	ṅaigạ–ne/-na/-no	ṅarugạ-ọ e/-ọ a/-ọ o	ṅaijigạ-ọ e/-ọ a/-ọo	ṅagạ-ọ e/-ọ a/-ọ o
	Non-Emphatic I Form (NEI Form)	minigạ–ne/-na/-no	minirugạ–ọ e/-ọ a/-ọ o	minijigạ-ọ e/-ọ a/-ọ o	minagạ–ọ e/-ọ a/-ọ o
	Non-Emphatic II Form (NEII Form)	mụigạ–ne/-na/-no	mụrugạ–ọ e/-ọ a/-ọ o	mụịjigạ–ọ e/-ọ a/-ọ o	mụagạ-ọ e/-ọ a/-ọ o
Classifier 15 [13] ime [ime]	Simple Form	ime–ne/-na/-no	rim-ọ e/-ọ a/-ọ o	ịjim–ọ e/-ọ a/-ọ o	am–ọ e/-ọ a/-ọ o
	Emphatic Form (E Form)	ṅaime–ne/-na/-no	ṅarim-ọ e/-ọ a/-ọ o	ṅaijim-ọ e/-ọ a/-ọo	ṅam-ọ e/-ọ a/-ọ o
	Non-Emphatic I Form (NEI Form)	minime–ne/-na/-no	minirim–ọ e/-ọ a/-ọ o	minijim-ọ e/-ọ a/-ọ o	minam–ọ e/-ọ a/-ọ o
	Non-Emphatic II Form (NEII Form)	mụime–ne/-na/-no	mụrim–ọ e/-ọ a/-ọ o	mụịim–ọ e/-ọ a/-ọ o	mụam-ọ e/-ọ a/-ọ o
Classifier 16 [38] in [ⱼiin]	Simple Form	ni–ne/-na/-no	rin-ọ e/-ọ a/-ọ o	ịjin–ọ e/-ọ a/-ọ o	an–ọ e/-ọ a/-ọ o
	Emphatic Form (E Form)	ṅaini–ne/-na/-no	ṅarin-ọ e/-ọ a/-ọ o	ṅaijin-ọ e/-ọ a/-ọo	ṅan-ọ e/-ọ a/-ọ o
	Non-Emphatic I Form (NEI Form)	minini–ne/-na/-no	minirin–ọ e/-ọ a/-ọ o	minijin-ọ e/-ọ a/-ọ o	minan–ọ e/-ọ a/-ọ o
	Non-Emphatic II Form (NEII Form)	mụini–ne/-na/-no	mụrin-ọ e/-ọ a/-ọ o	mụịjin–ọ e/-ọ a/-ọ o	mụan-ọ e/-ọ a/-ọ o
Classifier 17 [35] ine/inä [iine]	Simple Form	nä–ne/-na/-no	rinä-ọ e/-ọ a/-ọ o	ịjinä–ọ e/-ọ a/-ọ o	anä–ọ e/-ọ a/-ọ o
	Emphatic Form (E Form)	ṅainä–ne/-na/-no	ṅarinä-ọ e/-ọ a/-ọ o	ṅaijinoä-ọ e/-ọ a/-ọo	ṅanä-ọ e/-ọ a/-ọ o
	Non-Emphatic I Form (NEI Form)	mininä–ne/-na/-no	miniranä–ọ e/-ọ a/-ọ o	minijinä-ọ e/-ọ a/-ọ o	minanä–ọ e/-ọ a/-ọ o
	Non-Emphatic II Form (NEII Form)	mụinän–ne/-na/-no	mụrinä–ọ e/-ọ a/-ọ o	mụịjinä–ọ e/-ọ a/-ọ o	mụanä-ọ e/-ọ a/-ọ o
Classifier 18 [14] ire [ire]	Simple Form	ire–ne/-na/-no	rure/-ọ a/-ọ o	ịjir–ọ e/-ọ a/-ọ o	ar–ọ e/-ọ a/-ọ o
	Emphatic Form (E Form)	ṅaire–ne/-na/-no	ṅarure-ọ e/-ọ a/-ọ o	ṅaijir-ọ e/-ọ a/-ọo	ṅar-ọ e/-ọ a/-ọ o
	Non-Emphatic I Form (NEI Form)	minire–ne/-na/-no	minirure–ọ e/-ọ a/-ọ o	minijir-ọ e/-ọ a/-ọ o	minar–ọ e/-ọ a/-ọ o

	Non-Emphatic II Form (NEII Form)	mụire–ne/-na/-no	mụrure–ọ e/-ọ a/-ọ o	mụijir–ọ e/-ọ a/-ọ o	mụar-ọ e/-ọ a/-ọ o
Classifier 19 [36] iw [iw]	Simple Form	wi–ne/-na/-no	riw-ọ e/-ọ a/-ọ o	ijiw–ọ e/-ọ a/-ọ o	aw–ọ e/-ọ a/-ọ o
	Emphatic Form (E Form)	ṅaiwi–ne/-na/-no	ṅariw-ọ e/-ọ a/-ọ o	ṅaijiw-ọ e/-ọ a/-ọo	ṅaw-ọ e/-ọ a/-ọ o
	Non-Emphatic I Form (NEI Form)	miniwi–ne/-na/-no	miniriw–ọ e/-ọ a/-ọ o	minijiw-ọ e/-ọ a/-ọ o	minaw–ọ e/-ọ a/-ọ o
	Non-Emphatic II Form (NEII Form)	mụiwi–ne/-na/-no	mụriw–ọ e/-ọ a/-ọ o	mụijiw–ọ e/-ọ a/-ọ o	mụaw-ọ e/-ọ a/-ọ o
Classifier 20 [21] ke/kä [ke]	Simple Form	kä–ne/-na/-no	rukä-ọ e/-ọ a/-ọ o	ijikä–ọ e/-ọ a/-ọ o	akä–ọ e/-ọ a/-ọ o
	Emphatic Form (E Form)	ṅaikä–ne/-na/-no	ṅarukä-ọ e/-ọ a/-ọ o	ṅaijikä-ọ e/-ọ a/-ọo	ṅakä-ọ e/-ọ a/-ọ o
	Non-Emphatic I Form (NEI Form)	minikä–ne/-na/-no	minirukä–ọ e/-ọ a/-ọ o	minijikä-ọ e/-ọ a/-ọ o	minakä–ọ e/-ọ a/-ọ o
	Non-Emphatic II Form (NEII Form)	mụikä–ne/-na/-no	mụrukä–ọ e/-ọ a/-ọ o	mụijikä–ọ e/-ọ a/-ọ o	mụakä-ọ e/-ọ a/-ọ o
Classifier 21 [4] mae/ma [mɟai]	Simple Form	ma–ne/-na/-no	ruma-ọ e/-ọ a/-ọ o	ijima–ọ e/-ọ a/-ọ o	ama–ọ e/-ọ a/-ọ o
	Emphatic Form (E Form)	ṅaima–ne/-na/-no	ṅaruma-ọ e/-ọ a/-ọ o	ṅaijima-ọ e/-ọ a/-ọo	ṅama-ọ e/-ọ a/-ọ o
	Non-Emphatic I Form (NEI Form)	minima–ne/-na/-no	miniruma–ọ e/-ọ a/-ọ o	minijima-ọ e/-ọ a/-ọ o	minama–ọ e/-ọ a/-ọ o
	Non-Emphatic II Form (NEII Form)	mụma–ne/-na/-no	mụruma–ọ e/-ọ a/-ọ o	mụijima–ọ e/-ọ a/-ọ o	mụama-ọ e/-ọ a/-ọ o
Classifier 22 [25] mage/magä [mʌge]	Simple Form	magä–ne/-na/-no	rumagä-ọ e/-ọ a/-ọ o	ijimagä–ọ e/-ọ a/-ọ o	amagä–ọ e/-ọ a/-ọ o
	Emphatic Form (E Form)	ṅaimagä–ne/-na/-no	ṅarumagä-ọ e/-ọ a/-ọ o	ṅaijimagä-ọ e/-ọ a/-ọo	ṅamagä-ọ e/-ọ a/-ọ o
	Non-Emphatic I Form (NEI Form)	minimagä–ne/-na/-no	minirumagä–ọ e/-ọ a/-ọ o	minijimagä-ọ e/-ọ a/-ọ o	minamagä–ọ e/-ọ a/-ọ o
	Non-Emphatic II Form (NEII Form)	mụimagä–ne/-na/-no	mụrumagä–ọ e/-ọ a/-ọ o	mụijimagä–ọ e/-ọ a/-ọ o	mụamagä-ọ e/-ọ a/-ọ o
Classifier 23 [22] mwari/mari [$m^{w}ʌr^{h}i$]	Simple Form	mari–ne/-na/-no	rumari-ọ e/-ọ a/-ọ o	ijimari–ọ e/-ọ a/-ọ o	amari–ọ e/-ọ a/-ọ o
	Emphatic Form (E Form)	ṅaimari–ne/-na/-no	ṅarumari-ọ e/-ọ a/-ọ o	ṅaijimari-ọ e/-ọ a/-ọo	ṅamari-ọ e/-ọ a/-ọ o
	Non-Emphatic I Form (NEI Form)	minimari–ne/-na/-no	minirumari–ọ e/-ọ a/-ọ o	minijimari-ọ e/-ọ a/-ọ o	minamari–ọ e/-ọ a/-ọ o
	Non-Emphatic II Form (NEII Form)	mari-ne/-na/-no	mụrumari–ọ e/-ọ a/-ọ o	mụijimari–ọ e/-ọ a/-ọ o	mụamari-ọ e/-ọ a/-ọ o
Classifier 24 [26] mwe/muö [mwə]	Simple Form	muö–ne/-na/-no	ram-ọ e/-ọ a/-ọ o	ijom–ọ e/-ọ a/-ọ o	am–ọ e/-ọ a/-ọ o
	Emphatic Form (E Form)	ṅaimuö–ne/-na/-no	ṅaram-ọ e/-ọ a/-ọ o	ṅaijom-ọ e/-ọ a/-ọo	ṅam-ọ e/-ọ a/-ọ o
	Non-Emphatic I Form (NEI Form)	minimuö–ne/-na/-no	miniram–ọ e/-ọ a/-ọ o o	minijom-ọ e/-ọ a/-ọ o	minam–ọ e/-ọ a/-ọ o
	Non-Emphatic II Form (NEII Form)	mụimuö–ne/-na/-no	mụram–ọ e/-ọ a/-ọ o	mụijom–ọ e/-ọ a/-ọ o	mụam-ọ e/-ọ a/-ọ o
Classifier 25 [31] mweiyi/mweiji/ mueiji [mwei3i]	Simple Form	mueiji–ne/-na/-no	rumueij-ọ e/-ọ a/-ọ o	ijumueij–ọ e/-ọ a/-ọ o	amueij–ọ e/-ọ a/-ọ o
	Emphatic Form (E Form)	ṅaimueiji –ne/-na/-no	ṅarumueij-ọ e/-ọ a/-ọ o	ṅaijumueij-ọ e/-ọ a/-ọo	ṅamueij-ọ e/-ọ a/-ọ o
	Non-Emphatic I Form (NEI Form)	minemueiji–ne/-na/-no	minerumueij–ọ e/-ọ a/-ọ o	minijumueij-ọ e/-ọ a/-ọ o	minamueij–ọ e/-ọ a/-ọ o
	Non-Emphatic II Form (NEII Form)	mụmueiji–ne/-na/-no	mụrumueij–ọ e/-ọ a/-ọ o	mụijumueij–ọ e/-ọ a/-ọ o	mụamueij-ọ e/-ọ a/-ọ o
lassifier 26 [27] ñe/nge/ngä/ṅä [ŋe]	Simple Form	ṅä–ne/-na/-no	ruaṅä-ọ e/-ọ a/-ọ o	ijaṅä–ọ e/-ọ a/-ọ o	aṅä–ọ e/-ọ a/-ọ o
	Emphatic Form (E Form)	ṅaikä–ne/-na/-no	ṅaruaṅä-ọ e/-ọ a/-ọ o	ṅaijaṅä-ọ e/-ọ a/-ọo	ṅaṅä-ọ e/-ọ a/-ọ o
	Non-Emphatic I Form (NEI Form)	miniṅä–ne/-na/-no	miniruaṅä–ọ e/-ọ a/-ọ o	minijaṅä-ọ e/-ọ a/-ọ o	minaṅä–ọ e/-ọ a/-ọ o
	Non-Emphatic II Form (NEII Form)	mụiṅä–ne/-na/-no	mụruṅä–ọ e/-ọ a/-ọ o	mụijaṅä–ọ e/-ọ a/-ọ o	mụaṅä-ọ e/-ọ a/-ọ o
Classifier 27 [6] oe/oä [$o^{w}e$]	Simple Form	oä–ne/-na/-no	ruoä-ọ e/-ọ a/-ọ o	ijoä–ọ e/-ọ a/-ọ o	aoä–ọ e/-ọ a/-ọ o
	Emphatic Form (E Form)	ṅaioä–ne/-na/-no	ṅaruoä-ọ e/-ọ a/-ọ o	ṅaijoä-ọ e/-ọ a/-ọo	ṅaoä-ọ e/-ọ a/-ọ o
	Non-Emphatic I Form (NEI Form)	minoä–ne/-na/-no	miniruoä–ọ e/-ọ a/-ọ o	minijoä-ọ e/-ọ a/-ọ o	minaoä–ọ e/-ọ a/-ọ o
	Non-Emphatic II Form (NEII Form)	mụoä–ne/-na/-no	mụruoä–ọ e/-ọ a/-ọ o	mụijioä–ọ e/-ọ a/-ọ o	mụaoä-ọ e/-ọ a/-ọ o
Classifier 28[(37] pañ/pang/pa‗ṅ [paŋ]	Simple Form	paṅi–ne/-na/-no	rupaṅ-ọ e/-ọ a/-ọ o	ijipaṅ–ọ e/-ọ a/-ọ o	apaṅ–ọ e/-ọ a/-ọ o
	Emphatic Form (E Form)	ṅaipaṅi–ne/-na/-no	ṅarupaṅ-ọ e/-ọ a/-ọ o	ṅaijipaṅ-ọ e/-ọ a/-ọo	ṅapaṅ-ọ e/-ọ a/-ọ o
	Non-Emphatic I Form (NEI Form)	minipaṅi–ne/-na/-no	minirupaṅ–ọ e/-ọ a/-ọ o	minijipaṅ-ọ e/-ọ a/-ọ o	minapaṅ–ọ e/-ọ a/-ọ o
	Non-Emphatic II Form (NEII Form)	mụpaṅ–ne/-na/-no	mụrupaṅ–ọ e/-ọ a/-ọ o	mụijipaṅ–ọ e/-ọ a/-ọ o	mụapaṅ-ọ e/-ọ a/-ọ o
Classifier 29 [30] powi [po^{w}i]	Simple Form	powi–ne/-na/-no	rupowi-ọ e/-ọ a/-ọ o	ijipowi–ọ e/-ọ a/-ọ o	apowi–ọ e/-ọ a/-ọ o
	Emphatic Form (E Form)	ṅaipowi–ne/-na/-no	ṅarupowi-ọ e/-ọ a/-ọ o	ṅaijupowi-ọ e/-ọ a/-ọo	ṅapowi-ọ e/-ọ a/-ọ o
	Non-Emphatic I Form (NEI Form)	minipowi–ne/-na/-no	minirupowi–ọ e/-ọ a/-ọ o	minijipowi-ọ e/-ọ a/-ọ o	minapowi–ọ e/-ọ a/-ọ o

	Non-Emphatic II Form (NEII Form)	mụpowi–ne/-na/-no	mụrupowi–ọ e/-ọ a/-ọ o	mụijipowi–ọ e/-ọ a/-ọ o	mụapowiṅ-ọ e/-ọ a/-ọ o
Classifier 30 [3] ra [r^{h}æ]	Simple Form	ra–ne/-na/-no	rura-ọ e/-ọ a/-ọ o	ijira–ọ e/-ọ a/-ọ o	ara–ọ e/-ọ a/-ọ o
	Emphatic Form (E Form)	ṅaira–ne/-na/-no	ṅarura-ọ e/-ọ a/-ọ o	ṅaijira-ọ e/-ọ a/-ọo	ṅara-ọ e/-ọ a/-ọ o
	Non-Emphatic I Form (NEI Form)	minira–ne/-na/-no	minirura–ọ e/-ọ a/-ọ o	minijira-ọ e/-ọ a/-ọ o	minara–ọ e/-ọ a/-ọ o
	Non-Emphatic II Form (NEII Form)	mụira–ne/-na/-no mụra–ne/-na/-no	mụrura–ọ e/-ọ a/-ọ o	mụijira–ọ e/-ọ a/-ọ o	mụara-ọ e/-ọ a/-ọ o
Classifier 31 [28] re/rä [rre]	Simple Form	rä–ne/-na/-no	rarä-ọ e/-ọ a/-ọ o	ijirä–ọ e/-ọ a/-ọ o	arä–ọ e/-ọ a/-ọ o
	Emphatic Form (E Form)	ṅairä–ne/-na/-no	ṅararä-ọ e/-ọ a/-ọ o	ṅaijirä-ọ e/-ọ a/-ọo	ṅarä-ọ e/-ọ a/-ọ o
	Non-Emphatic I Form (NEI Form)	minirä–ne/-na/-no	minirära–ọ e/-ọ a/-ọ o	minijirä-ọ e/-ọ a/-ọ o	minirä–ọ e/-ọ a/-ọ o
	Non-Emphatic II Form (NEII Form)	mụirä–ne/-na/-no	mụrarä–ọ e/-ọ a/-ọ o	mụijirä–ọ e/-ọ a/-ọ o	mụarä-ọ e/-ọ a/-ọ o
Classifier 32 [29] tete/dete [rere]	Simple Form	tete–ne/-na/-no	rueteta-ọ e/-ọ a/-ọ o	ijiteta–ọ e/-ọ a/-ọ o	ateta–ọ e/-ọ a/-ọ o
	Emphatic Form (E Form)	ṅaitete–ne/-na/-no	ṅaruteta-ọ e/-ọ a/-ọ o	ṅaijiteta-ọ e/-ọ a/-ọo	ṅateta-ọ e/-ọ a/-ọ o
	Non-Emphatic I Form (NEI Form)	minitete–ne/-na/-no	minirueteta–ọ e/-ọ a/-ọ o	minijiteta-ọ e/-ọ a/-ọ o	minateta–ọ e/-ọ a/-ọ o
	Non-Emphatic II Form (NEII Form)	mụitete–ne/-na/-no	mụreteta–ọ e/-ọ a/-ọ o	mụijiteta–ọ e/-ọ a/-ọ o	mụateta-ọ e/-ọ a/-ọ o
Classifier 33 [9] wa/w̲a̲ [wa]	Simple Form	w̲a̲–ne/-na/-no	ruw̲a̲ -ọ e/-ọ a/-ọ o	ijiw̲a̲ –ọ e/-ọ a/-ọ o	aw̲a̲ –ọ e/-ọ a/-ọ o
	Emphatic Form (E Form)	ṅaiw̲a̲ –ne/-na/-no	ṅaruw̲a̲ -ọ e/-ọ a/-ọ o	ṅaijiw̲a̲ -ọ e/-ọ a/-ọo	ṅaw̲a̲ -ọ e/-ọ a/-ọ o
	Non-Emphatic I Form (NEI Form)	miniw̲a̲ –ne/-na/-no	miniruw̲a̲ –ọ e/-ọ a/-ọ o	minijiw̲a̲ -ọ e/-ọ a/-ọ o	minaw̲a̲ –ọ e/-ọ a/-ọ o
	Non-Emphatic II Form (NEII Form)	mụiw̲a̲ –ne/-na/-no	mụruw̲a̲ –ọ e/-ọ a/-ọ o	mụijiw̲a̲ -ọ e/-ọ a/-ọ o	mụaw̲a̲ -ọ e/-ọ a/-ọ o
Classifier 34 [33] wime [wiime]	Simple Form	wime–ne/-na/-no	rowim-ọ e/-ọ a/-ọ o	juwim–ọ e/-ọ a/-ọ o	awim–ọ e/-ọ a/-ọ o
	Emphatic Form (E Form)	ṅaiwime–ne/-na/-no	ṅarowim-ọ e/-ọ a/-ọ o	ṅaijuwim-ọ e/-ọ a/-ọo	ṅawim-ọ e/-ọ a/-ọ o
	Non-Emphatic I Form (NEI Form)	miniwime-ne/-na/-no	minirowim–ọ e/-ọ a/-ọ o	minijuwim-ọ e/-ọ a/-ọ o	minawim–ọ e/-ọ a/-ọ o
	Non-Emphatic II Form (NEII Form)	mụiwime–ne/-na/-no	mụrowim –ọ e/-ọ a/-ọ o	mụijuwim-ọ e/-ọ a/-ọ o	mụwim-ọ e/-ọ a/-ọ o
Classifier 35 [23] wõri/wori/wöri [wɤri]	Simple Form	wori-ne/-na/-no	ruwori-ọ e/-ọ a/-ọ o	ijuwori –ọ e/-ọ a/-ọ o	awori–ọ e/-ọ a/-ọ o
	Emphatic Form (E Form)	ṅaiwori–ne/-na/-no	ṅarowori-ọ e/-ọ a/-ọ o	ṅaijuwori-ọ e/-ọ a/-ọo	ṅawori-ọ e/-ọ a/-ọ o
	Non-Emphatic I Form (NEI Form)	miniwori–ne/-na/-no	miniruwori–ọ e/-ọ a/-ọ o	minijuwori-ọ e/-ọ a/-ọ o	minawori–ọ e/-ọ a/-ọ o
	Non-Emphatic II Form (NEII Form)	mụwori–ne/-na/-no	mụruwori-ọ e/-ọ a/-ọ o	mụijuwori-ọ e/-ọ a/-ọ o	mụawori-ọ e/-ọ a/-ọ o
Classifier 36 [39] wũr/wur/wür [wɨr]	Simple Form	wuri–ne/-na/-no	rowur-ọ e/-ọ a/-ọ o	ijuwur–ọ e/-ọ a/-ọ o	awur–ọ e/-ọ a/-ọ o
	Emphatic Form (E Form)	ṅaiwuri–ne/-na/-no	ṅarowur-ọ e/-ọ a/-ọ o	ṅaijuwur-ọ e/-ọ a/-ọo	ṅawur-ọ e/-ọ a/-ọ o
	Non-Emphatic I Form (NEI Form)	miniwuri–ne/-na/-no	minerowur–ọ e/-ọ a/-ọ o	minijuwur-ọ e/-ọ a/-ọ o	minawur–ọ e/-ọ a/-ọ o
	Non-Emphatic II Form (NEII Form)	mụwuri–ne/-na/-no	mụrowur–ọ e/-ọ a/-ọ o	mụijuwur-ọ e/-ọ a/-ọ o	mụawur-ọ e/-ọ a/-ọ o

Examples:

626.
mõ õãõbañei mijimaõa ewew Ge 30:37
and FAC+pattern.with.stripes+APPL NEII+three+CL21[4]+MED AB+staff
and he made stripe patterns on those three long, rigid objects (context: staffs being discussed)

627.
ewew ñaijimaõ o ogiten õãõbañei Ge 30:38
AB+staff E+three+CL21[4]+MED COMPL FAC+pattern.with.sripes+APPL
those three staffs he had made stripe patterns on

628.
bain murowa matijũñen mururaõa erra Ex 26:24
object+CONS NEII+two+MED corner+3S.POS NEII+two+CL30[3]+MED AB+wood objects for the two corners are those two planks]

629.
wo nim amwedu mũrabweijũa eraroian Ex 28:25
2S.DEP MOD put.down NEII+two+CL7[18/19]+MED AB+chain
you should place downwards those two chains

630.
o oija añen[43] arura tafel ñaruraõa tafel it[21] Edogor ñana ata,
give to+VNI+PERF two+CL30[3] tablet E+two+CL30[3]+MED tablet CONS AB+law E+MED.P ten
ñaruraõa epe ñaruraõa ã eareõt[39] tiniben Gott Ex 31:18
E+two+CL30[3]+MED AB+stone E+two+CL30[3]+MED 3S.DEP write+COM finger+CONS God
he then gave to him two tablets, those two tablets of the ten commands, those two flat stones, those two (tablets) that were written with the finger of God

631.
e eaij tafel ñana epe ñana arura ñan tekei mururao amo Ex 34:4
3S.DEP cut table E+MED.P AB+stone E+MED.P two+CL30[3] E+P+ like NEII+two+CL30[3]+DIST first
he cut those two stone tablets which were like the first two tablets

632.
murumaõa edabwike Ex 37:5
NEII+two+CL21[4]+MED AB+wood
those two long, rigid wooden objects (context: two poles being discussed)

633.
ean mururaõa mwit[21] etañ in etad idũra Ex 37:7
on+3S.POS NEII+two+CL30[3]+MED edge+CONS AB+place CONS 3S.DEP+only+loosen AB+sin
on those two flat edges of the place for losening sin, i.e. on both ends of the place for forgiving sins (context: referring to the two ends of the cover to the Ark of the Covenant)

634.
amwedu murumaõa edabwike iat[21] etabañabañ Ex 37:5
place.down NEII+two+CL21[4]+MED AB+wood in+3S.POS AB+ring
(he) placed those two poles into the rings

635.

wo nim idotu lebona ñea ã eõ kamwararoei ean mũrarreõa Le 24:7
2S.DEP MOD pour.out lebona E+MED 3S.DEP NEG mix+APPL on+3S.POS NEII+two+CL31[28]+MED
you should pour out lebona that is not mixed with it on those two rows

636.

wam esel ñan õgõro eat[21] ibũm ñaijũbũmuo enuawen,
RPOS+2S.POS donkey E+P+ run on+3S.POS AB+day E+three+CL5[11]+DIST 3S.DEP+go+PERF
wo nim eõ õmararan ũra 1Sa 9:20
2S.DEP MOD NEG remember 3P.OBJ
your donkeys, those that ran off on those three days now past, do not keep them in mind

637.

A nan gadũg aijimae mwit dobonara itañin tekei ia A kearoei
1S.DEP UNR strain three+CL21[4] end+CONS bow by+3S.POS like COND 1S.DEP take.aim+APPL
itema ion 1Sa 20:20
AB+mark INDF
I will aim three arrows alongside it as if I take aim at a marker

638.

nua ko, mõ õni mijimaõa mwit[39] dobonara…kania, mwit[39] dobonara
go COMM & fetch NEII+three+CL21[4]+MED end+CONS bow look end+CONS bow
ñaijimao iruwũm… kania, mwit dobonara ñaijimao ian obwõm 1Sa 20:21,22
E+three+CL21[4]+DIST behind+2S.POS look end+COND bow E+three+CL21[4]+DIST in+3.POS front+2S.POS
go and fetch those three arrows…look, those three arrows those three behind you…look, those three arrows which are in front of you

639.

mwit[21] edabwike ñarumaõ õpwijõriõr ñarumaõ õbadetsi Is 7:4
edge+CONS AB+wood E+two+CL21[4]+DIST 3S.DEP+burn+SUP E+two+CL21[4]+DIST 3S.DEP+smoke
the ends of the lengths of wood, those burn intensly, those smoke, i.e. the stumps, those two burning intensly and smoldering

640.

aro ebwer in ficus ñarabwerõa ã ñaeow ian obwen maneabin Jehova Je 24:1
two AB+basket CONS fig E+two+CL6[32]+MED 3s place in+3s front+3s house+CONS Jehovah
two baskets of figs, which two baskets they placed before the temple of Jehovah

641.

mũrebõe eb Eze 35:10
NEII+two+CL10[15]+MED AB+land
these two pieces of land here

642.

ta imur me ro orean a eoning ibun bwe enim oeagida
only later & 3P.DEP bring to AB+young some for 3S.DEP+MOD place
ea ngabuna mururaoa ben me detaroeiy ura Matt 19:13 1976
to E+ANIM.P+MED NEII+two+CL30[3]+MED hand+3S.POS & pray+APPL 3P.OBJ
later they brought to him some children so that he might place on them his two hands and pray over them

643.

ngaga og in oeagida ea ngabuna mururaoa ben me bwaoedat[27]
TEMP+MED finish CONS place to E+ANIM.P+MED NEII+two+CL30[3]-+MED hand+3S.POS & depart
atin ina Matt 19:15 1976
from+3S.POS there
when he finished placing his two hand on those ones, he departed from there

644.

inan oiyon ngabuna won engel ngabuna ouwak nungin wongara trumpet
UNR send E+ANIM.P+MED RPOS+3S.POS angel E+ANIM.P+MED big noise+CONS GPOS+3S.POS trumpet
me mibuna ri nan oepwepwoiy ngabuna e iy,
& NEI+ANIM.P+MED 3P.DEP UNR FAC+together+RED+APPL E+ANIM.P+MED 3S.DEP choose
atin ian muaraoa engin atin ian aniwiwin oerot[21] eran
from+3S.POS in+3S.POS NEII+four+CL30[3]+MED AB+wind from+3S.POS in+3S.POS extremity+3S.POS cloud INDF+CL30[3]
me togi ean ngarana eran Matt 24:31 1976
& end on+3S.POS E+CL30[3]+MED INDF+CL30[3]
he will send out his three angels those ones the sound of their trumpets in great and those ones will gather together those ones he chooses from those four winds , from the extremily of a cloud to another cloud [the extremity of the heavens]

645.

bwe omo aw eken[62] ia[9] wo metuw iat[21] itimor ia dogedog
for 3S.DEP+good to+2S.OBJ INDF+CL20[21] COND 2S.DEP go.in+DIR9 in+3S.POS AB+live COND blemish
tuwom ea am roduw iat[64] hell ian bita e ngea eab ima
flesh+2S.POS to GPOS+2S.POS go.down+DIR9 in+3S.POS hell in+3S.POS NEIII+MED AB+ fire E+MED UNR.NEG die
ngaga eo dogedog mururaoa bem Mark 9:42 1976
TEMP+MED NEG blemish NEII+two+CL30[3]+MED hand+2S.POS
for it is better for you if you enter into life if your flesh is maimed than your going down into hell into the fire that never dies, when your two hands are unblemished

646.

me oeagida ura mururaoa ben Mark 10:16 1976
& place 3P.OBJ NEII+two+CL30[3]+MED hand+3S.POS
and he laid his two hands upon them

647.

oren ngabuna me okwon muraoa ekwo, ouge bwe eniy me
come+PERF E+ANIM.P+MED & 3S.DEP+fill NEII+two+CL12[5]+MED AB+canoe say for AV &
ro beduyowen Lu 5:7 1976
3P.DEP capsize+PERF
those ones then came and filled those two craft, such that they almost had capsized

648.

eitune orareon renimen mururaoe nano me omog on mungana
female+PROX FAC+wet+COM tear+3S.POS NEII+two+CL30[3]+PROX foot+1S.POS & FAC+dry COM NEII+MED.P
iren tubwin Lu 7:44 1976
hair+3CONS head+3S.POS
this woman wetted these my two feet with her tears and made (them) dry with those her head-hair

649.

eitune obidotet[21] eir in kabit mururaoe nano Lu 7:46 1976
female+PROX anoint+COM+PERF AB+oil CONS CAUS+anoint NEII+two+CL30[3]+PROX foor+1S.POS
this woman made to anoint these two feet of mine with the oil of anointing

650.

amen kereri ! kania, ipudutubwin ngaruraoe.
male+CONS CAUS+learn lookd AB+sword E+two+CL30+PROX
me eiy ouge a ura : ogen mana Lu 22:38 1976
& 3S.IND say to 3P.OBJ finish+PERF NEI+MED.P
Teacher! look, these two swords! and he said to them: those things are enough

651.

mwa kania ko mururaoa beo me mururaoa nano Lu 24:39 1976
2P.DEP look COMM NEII+two+CL30[30]+MED hand+1S.POS & NEII+two+CL30[3]+MED foot+1S.POS
look at my two hands and my two feet!

652.

tin ia[9] murowe meo eitiok eedwotow[71] ean mururaoa ben
COND NEII+two+PROX eye+1S.POS PREI see+SUCC+DIR on+3S.POS NEII+two+CL30[3]+MED hand+3S.POS
uiten mwit[21] ener John 20:25 1976
wound+CONS end+CONS AB+nail
if these two eyes of mine have not yet successfully seen on those two hands of his the wounds of the nail ends…

653.

re biritagag memag memag eow ean mureboa Judea me Samaria Ac 8:1 1976
3P.DEP disperse all all DIR on+S.POS NEII+two+CL10[15]+MED Judea & Samaria
they scattered them all in the two lands of Judea and Samaria

654.

eed ian oeron bwe eadon me imin ngea idume ngea orodun ituga
see in+3 cloud for loosen+PERF& AB+thing E+MED AB+packet E+MED 3s+descend+DIR8 above
me tekeiy deideit[64] linen eaen ouwak ngaena eiyeduan on
& like manner+CONS linen INDF+CL1[16] big E+CL1[16]+MED 3s+let.down+DIR8 COM
muraoa [sic: muaraoa]ingit[27] adun ian oeron eaduw eat[21] eb Acts 10:11 1976
NEII+four+CL30[3]+MED corner+3S.POS down+DIR8 in+3S.POS cloud down+DIR9 on+3S.POS AB+land
and (I) saw in heaven that it was already loosed and a packeted thing that was coming down from above, and it was like in its manner a large patch of linen, that patch was being let down by those four corners down from heaven and down to earth

655.

eadon ea kamie mururaoa mwimar 2Co 6:11 1976
loosen+PERF to 2P.OBJ NEII+two+CL30[3]+MED mouth+1D.EXC.POS
our two mouths are now open to you

656.

bwe ieow ita amea, ngea opwoiyien murumaoa me eke
for AB+peace only male+MED E+MED 3S.DEP+together+APPL+PERF NEII+two+CL21[4](fig.use)+MED & make
aimaen Eph 2:14 1976
one+CL21[4](fig.use)
[for he is Peace, the one who has gathered together those two groups of people and made them one group (with reference to Jews and non-Jews being made one)

657.

bwe murowa met[39] Demoniba ar mwaiy ngabuna eimwi deidein,
for NEII+two+MED eye+CONS Lord 3D.DEP face E+ANIM.P+MED right manner+3S.POS
me mururaoa yingen aura detaro 1Pe 3:12 1976
& NEII+two+CL30[3]+MED ear+3S.POS GPOS+3P.POS prayer
for those two eyes of the Lord are before those ones whose way is upright and those two ears of his (to) their prayers

658.

me ongen aimaenean mwiyimaoa meit [sic: maeit][21] eb,
& burn.up+PERF one+CL21[4] in+3S.POS NEII+three+CL21[4]+MED part+CONS AB+land,
me ongen aimaen ean mwiyimaoa maein ebwakit[21] imin ero
and burn.up+PERF one+CL21[4] on+3S.POS NEII+three+CL21[4]+MED part+CONS numerous+CONS AB+thing 3S.DEP+grow
me ongen memag mungana ibugibugi ngan etiok ema Re 8:7 1976
& burn.up+PERF all NEII+MED.P AB+grass E+MED.P+ PREI 3S.DEP.+die
and one part out of three parts of the earth were burned up, and one part out of three parts of the many trees were burned up, and all the grasses that had not yet died were burned up

659.

me eiyiet[21] era aimaen ean mwaiyimaoa maeit[21]emago Re 8:8 1976

& 3S.IND+PERF AB+blood one+CL21[4] on+3S.POS NEII+three+CL21[4]+MED part+CONS AB+open.sea

and one part out of three parts of the open sea became blood

660.

eman aimaein ean mwiyimaoa mwaein ebwakin mungana imin iat[21] iyited

3S.DEP+die+PERF one+CL21[4] on+3S.POS NEII+three+CL21[4]+MED part+CONS numerous NE+MED.P AB+thing in+3S.POS ocean

mungan etimor, me ekeowen aimaen ean mwiyimaoa maein ebwakit[39]

NEII+MED.P 3S.POS+live & be.no+DIR+PERF one+CL21[4] on+3S.POS NEII+three+CL21[4]+MED part+CONS numerous+CONS

deimwanu Re 8:9 1976

ship

one part out of three parts of the numerous things in the ocean were already dead, those living things, and one part out of three parts of the numerous ships ceased to be

661.

opuduw ean amaein [sic: aimaen] ean mwimaoa [sic: mwiyimaoa] maeit[21] ekaw me kewin angen mungana bogen eren Rev 8:10 1976

3s+fall+DIR9 on+3S.POS one+CL21[4] on+3S.POS NEII+three+CL21[4]+MED part+CONS AB+river & join to+PERF NEII+MED.P well

and it fell onto one part out of those three parts of the streams and then joined to those wells

662.

egen bita etetang bwe[45] Wormwood, me Wormwooden aimaein ean mwiyimaoa

name+3S.POS NEIII+MED AB+star for Wormwood & Wormwood+PERF one+CL21[4] on+3S.POS NEII+three+CL21[4]+MED

ebog me engame ebwak r eman ngag obwao aditen[21] mimana ebog Re 8:11 1976

AB+water & AB+person numerous 3P.DEP die+PERF TEMP+MED 3S.DEP+split gall+PERF NEI+CL21[4]+MED AB+water

the name of that star was Wormwood, and one part out of three parts of the water became Wormwood and many men then died when those parts of the water were then made bitter

663.

eirawoten[70] aimaein ean mwiyimaoa maeit ekwan me aimaein

3S.DEP+strike+SUC+PERF one+CL21[4] on+3S.POS NEII+three+CL21[4]+MED part+CONS AB+sun & one+CL2[4]

ean mwiyimaoa maein maraman me aimaein ean mwiyimaoa maein

on+3S.POS NEII+three+CL21[4]+MED part+CONS moon & one+CL21[4]e) on+3S.POS NEII+three+CL21[4]+MED part+CONS

ebwakin mungana etetang me iturugagon ngamana ean mwiyimaoa

numerous+CONS NEII+MED.P AB+star & AB+dark+SUP+PERF E+CL21[4]+MED on+3S.POS NEII+three+CL21[4]+MED

maiureiy, ouga bwe eo eaoen aimaein ean mwiyimaoa maeit eran

shame+3T.GERt be.so for NEG light+PERF one+CL21[4] on+3S.POS NEII+three+CL21[4]+MED part+CONS AB+daytime

me titabo ngamana maeit[21]ibum Re 8:12 1976

& similar E+CL21[4]+MED part+CONS AB+night

one part out of three parts of the sun were completely struck, and one part out of three parts of the moon and one part out of three parts of the many stars, and it was then very dark those parts by those three parts their shame, so there was then no light on one part out of three parts of daylight and similarly those parts of nighttime

664.

amerumena uror murueoa olive me murowa yoret[39] telamp Re 11:4 1976

male+two+ANIM+MED 3D.IND NEII+two+CL27[6]+MED olive & NEII+two+MED post+CONS lamp[

those two men are those two olive trees and those two lamp-stands

665.

bita iwin obwaedun ian oeron aimaein ean mwiyimaoa
NEIII+MED tail+3S.POS draw+DIR8 heaven one+CL21[4] on+3s NEII+three+CL21[4]+MED
ebwakit etetang Re 12:4 1976
numerous+CONS AB+star
his tail draws down from heaven one part out of three parts the number of the stars

666.

tekeiy nanat[64] bear mururaoa nanan Re 13:2 1976
like foot+CONS bear NEII+two+CL30[3]+MED foot+3S.POS
its two feet are as the feet of a bear

667.

opwapwer burioura ngabuna heiden, ngabuna bwain ean muaraoa
FAC+err innards+3P.POS E+ANIM.P+MED gentiles E+ANIM.P+MED object+3S.POS on+3S.POS NEII+four+CL30[3]+MED
ingit[21] eb Re 20:8[7] 1976
corner+CONS land make to err repeatedly the hearts of those Gentiles, those ones --- on the four corners of the earth

668.

emeg ina iwugagain medenan me ina ean muruaoa [sic: mururaoa] erurun
3S.DEP+dwell there between+3S.POS way+3S.POS & there on+3S.POS NEII+two+CL30[3]+MED side+3S.POS
gorurin bogen kaw ia[14], muena bwait[21] itimor, ngoena aworita me aro
flow+CONS water+CONS stream MED, NEII+CL27[6]+MED object+CONS AB+live E+CL27[6]+MED NP+CL35[23]+ten & two
an okwa Re 22:2 1976
GPOS+3S.POS fruit
there was there in between the path and there on both sides of the flowing waters of that stream, that tree of life, the one that had twelve crops of fruit

669.

iruwin mijibumaoa me amea Pharao i nat[39]tük öredoan a uw am mogur in
after+3S.POS NEII+three+CL5[11]+MED & male+MED Pharao UNR still bring+COM2 to 2S.OBJ GPOS+2S.POS work CONS
amo Nuw 20:4
first
after those three days the Pharao wil yet return to you your work of before

670.

muijiraoa ran müäna areij ekä o aijibum Nuw 20:4
NEII+three+CL30[3]+MED branch+3S.POS NEII+CL27[6]+MED 3T.DEP make FV three+CL5[11]
those three branches they stood for three days

671.

ögaroä renemim ngeijine: oämeij ön mijibueraoa mehl oaijibum Nuw 20:6
FAC+clear dream+2S.POS E+CL11[7]+PROX sign+APPL COM NEII+three+CL6[32]+MED grain FV+three+CL5[11]
these words make clear your dream: those three baskets signify three days

672.

oquötirot[21] imin inno me inno eow Agypten me Josef öpapoij müñana
fill+SUP+COM AB+thing yonder & yonder DIR Egypt & Joseph FAC+bring.together+APPL NEII+MED.P
baban weizen e reñon ian müaeijua eobani in indeed Nuw 22:1
seed+CONS wheat 3S.DEP remain+PERF in+3S.POS NEII+seven+MED AB+year CONS harvest
surplus of things from all over Egypt and Joseph made to bring together wheat seed that already remained in those seven years of harvest

673.

araran müaraoa ingit[27] oag me mäwuiduen oag ia[14] Nuw 28:4

shake+PERF NEII+four+CL30[3]+MED corner+CONS house & collapse+PERF house MED those four corners of the house then shook and that house collaped

674.

o boñeboñe ön mürüraoa bän män Nuw 31:2

3S.DEP cover+RED COM NEII+two+CL30[3]+MED hand+3S.POS eye+3S.POS

he covered over his face with his two hands

675.

kania e ijäduten[21] ian oeron etetagei ouwak ñaran e ouda ean müaraoa

look 3S.DEP let.down+DIR8+PERF heave AB+cloth big E+CL30[3]+ 3S.DEP hang on+3S.POS NEII+four+CL30[3]+MED

iñin NuwNT 90:2

corner+3SPOS

look, a large sheet hung by its four corners was let down from heaven

676.

mürabueijuwa eraroian ör eadödan inibän NuwNT 91:3

NEII+two+CL7[18/19]+MED AB+chain 3D.DEP drop+DIR8 LOC+hand+3S.POS

those two chains dropped from his hands

677.

oeijo ko ean mürürawa nanam me eimui ko! NuwNT 92:7

stand COMM on+3S.POS NEII+two+CL30[3]+MED foot+2S.POS & straight COMM

stand up! upright on your two feet!

678.

a eäṅ mụrane, a eö eäṅ mụruraoa NG216

1S.DEP like NEII+CL30[3]+PROX 1S.DEP NEG like NEII+two+CL30[3]+MED

I like this object presenting a flat surface, I don't like those two objects presenting a flat surface (context: mats being discussed)

679.

a eäṅ mụbäne, a eö eäṅ mụrabäoa NG216

1S.DEP like NEII+CL3[8]+PROX 1S.DEP NEG like NEII+two+CL3[8]+MED

I like this coconut palm frond, I don't like those two (coconut palm fronds)

680.

wo ömarreni öa ijök minibümitimoeoa ar mäg imago? NG218

2S.DEP remember+APPL2 or no NEI+CL5[11]+30+MED 1D.EXC.DEP DWELL LOC+high.seas

do you not remember those thirty days you and I spent on the high seas

681.

ateng otubwa Members dogin mururaoa Bills before the House hsd-11p-19940625

1S.DEP+wish thank Members reason+3S.POS NEII+two+CL30[3]+MED Bills before the House

I wish to thank the Members for those two Bills before the House

24.2. Classificatory Demonstrative Numerals High Numbers.

The composition of the higher numbers classificatory demonstrative numeral is:

(Demonstrative prefix) + classificatory numeral particle + number element + spatial suffix

Table 35. Classificatory Demonstrative Numeral - High Numerals (adapted from Kayser NG43-61).

Simple form	Emphatic form	NEI form	NEII form	Number
Classifier 1 (16) ae [aiæ]				
aetjimo -ọ e/-ọ a/-ọ o	**n**aetjimo -ọ e/-ọ a/-ọ o	minaetjimo -ọ e/-ọ a/-ọ o	mụaetjimo -ọ e/-ọ a/-ọ o	5
aeta -ọ e/-ọ a/-ọ o	**n**aeta -ọ e/-ọ a/-ọ o	minaeta -ọ e/-ọ a/-ọ o	mụaeta -ọ e/-ọ a/-ọ o	10
aerumae -ọ e/-ọ a/-ọ o	**n**aerumae -ọ e/-ọ a/-ọ o	minaerumae -ọ e/-ọ a/-ọ o	mụaerumae -ọ e/-ọ a/-ọ o	20
aetimoe -ọ e/-ọ a/-ọ o	**n**aetimoe -ọ e/-ọ a/-ọ o	minaetimoe -ọ e/-ọ a/-ọ o	mụaetimoe -ọ e/-ọ a/-ọ o	30
aetimae -ọ e/-ọ a/-ọ o	**n**aetimae -ọ e/-ọ a/-ọ o	minaetimae -ọ e/-ọ a/-ọ o	mụaetimae -ọ e/-ọ a/-ọ o	50
aedumae -ọ e/-ọ a/-ọ o	**n**aedumae -ọ e/-ọ a/-ọ o	minaedumae -ọ e/-ọ a/-ọ o	mụaedumae -ọ e/-ọ a/-ọ o	90
aetebui -ụ e/-ụ a/-ụ o	**n**aetebui -ụ e/-ụ a/-ụ o	minaetebui -ụ e/-ụ a/-ụ o	mụaetebui -ụ e/-ụ a/-ụ o	100
aerobui -ụ e/-ụ a/-ụ o	**n**aerobui -ụ e/-ụ a/-ụ o	minaerobui -ụ e/-ụ a/-ụ o	mụaerobui -ụ e/-ụ a/-ụ o	200
aetjubui -ụ e/-ụ a/-ụ o	**n**aetjubui -ụ e/-ụ a/-ụ o	minaetjubui -ụ e/-ụ a/-ụ o	mụaetjubui -ụ e/-ụ a/-ụ o	300
aetjimouer -ọ e/-ọ a/-ọ o aetimouer -ọ e/-ọ a/-ọ o	**n**aetjimouer -ọ e/-ọ a/-ọ o **n**aetimouer -ọ e/-ọ a/-ọ o	minaetjimouer -ọ e/-ọ a/-ọ o minaetimouer -ọ e/-ọ a/-ọ o	mụaetjimouer -ọ e/-ọ a/-ọ o mụaetimouer -ọ e/-ọ a/-ọ o	500
Classifier 2 (17) baño/bango/bańo [bʌŋo]				
bańotjimo -ọ e/-ọ a/-ọ o	**n**abańotjimo -ọ e/-ọ a/-ọ o	minibańotjimo -ọ e/-ọ a/-ọ o	mụbańotjimo -ọ e/-ọ a/-ọ o	5
bańota -ọ e/-ọ a/-ọ o	**n**abańota -ọ e/-ọ a/-ọ o	minibańota -ọ e/-ọ a/-ọ o	mụbańota -ọ e/-ọ a/-ọ o	10
bańorumae -ọ e/-ọ a/-ọ o	**n**abańorumae -ọ e/-ọ a/-ọ o	minibańorumae -ọ e/-ọ a/-ọ o	mụbańorumae -ọ e/-ọ a/-ọ o	20
bańotimoe -ọ e/-ọ a/-ọ o	**n**abańotimoe -ọ e/-ọ a/-ọ o	minibańotimoe -ọ e/-ọ a/-ọ o	mụbańotimoe -ọ e/-ọ a/-ọ o	30
bańotimae -ọ e/-ọ a/-ọ o	**n**abańotimae -ọ e/-ọ a/-ọ o	minibańotimae -ọ e/-ọ a/-ọ o	mụbańotimae -ọ e/-ọ a/-ọ o	50
bańodumae -ọ e/-ọ a/-ọ o	**n**abańodumae -ọ e/-ọ a/-ọ o	minibańodumae -ọ e/-ọ a/-ọ o	mụbańodumae -ọ e/-ọ a/-ọ o	90
bańotebui -ụ e/-ụ a/-ụ o	**n**abańotebui -ụ e/-ụ a/-ụ o	minibańotebui -ụ e/-ụ a/-ụ o	mụbańotebui -ụ e/-ụ a/-ụ o	100
bańorobui -ụ e/-ụ a/-ụ o	**n**abańorobui -ụ e/-ụ a/-ụ o	minibańorobui -ụ e/-ụ a/-ụ o	mụbańorobui -ụ e/-ụ a/-ụ o	200
bańotjubui -ụ e/-ụ a/-ụ o	**n**abańotjubui -ụ e/-ụ a/-ụ o	minibańotjubui -ụ e/-ụ a/-ụ o	mụbańotjubui -ụ e/-ụ a/-ụ o	300
bańotjimouer -ọ e/-ọ a/-ọ o bańotimouer -ọ e/-ọ a/-ọ o	**n**abańotjimouer -ọ e/-ọ a/-ọ o **n**abańotimouer -ọ e/-ọ a/-ọ o	minibańotjimouer -ọ e/-ọ a/-ọ o minibańotimouer -ọ e/-ọ a/-ọ o	mụbańotjimouer -ọ e/-ọ a/-ọ o mụbańotimouer -ọ e/-ọ a/-ọ o	500
Classifier 3 (8) be/bä [be]				
bätjimo -ọ e/-ọ a/-ọ o	**n**abätjimo -ọ e/-ọ a/-ọ o	minibätjimo -ọ e/-ọ a/-ọ o	mụbätjimo -ọ e/-ọ a/-ọ o	5
bäta -ọ e/-ọ a/-ọ o	**n**abäta -ọ e/-ọ a/-ọ o	minibäta -ọ e/-ọ a/-ọ o	mụbäta -ọ e/-ọ a/-ọ o	10
bärumae -ọ e/-ọ a/-ọ o	**n**abärumae -ọ e/-ọ a/-ọ o	minibärumae -ọ e/-ọ a/-ọ o	mụbärumae -ọ e/-ọ a/-ọ o	20
bätimoe -ọ e/-ọ a/-ọ o	**n**abätimoe -ọ e/-ọ a/-ọ o	minibätimoe -ọ e/-ọ a/-ọ o	mụbätimoe -ọ e/-ọ a/-ọ o	30
bätimae -ọ e/-ọ a/-ọ o	**n**abätimae -ọ e/-ọ a/-ọ o	minibätimae -ọ e/-ọ a/-ọ o	mụbätimae -ọ e/-ọ a/-ọ o	50
bädumae -ọ e/-ọ a/-ọ o	**n**abädumae -ọ e/-ọ a/-ọ o	minibädumae -ọ e/-ọ a/-ọ o	mụbädumae -ọ e/-ọ a/-ọ o	90
bätebui -ụ e/-ụ a/-ụ o	**n**abätebui -ụ e/-ụ a/-ụ o	minibätebui -ụ e/-ụ a/-ụ o	mụbätebui -ụ e/-ụ a/-ụ o	100
bärobui -ụ e/-ụ a/-ụ o	**n**abärobui -ụ e/-ụ a/-ụ o	minibärobui -ụ e/-ụ a/-ụ o	mụbärobui -ụ e/-ụ a/-ụ o	200
bätjubui -ụ e/-ụ a/-ụ o	**n**abätjubui -ụ e/-ụ a/-ụ o	minibätjubui -ụ e/-ụ a/-ụ o	mụbätjubui -ụ e/-ụ a/-ụ o	300
bätjimouer -ọ e/-ọ a/-ọ o bätimouer -ọ e/-ọ a/-ọ o	**n**abätjimouer -ọ e/-ọ a/-ọ o **n**abätimouer -ọ e/-ọ a/-ọ o	minibätjimouer -ọ e/-ọ a/-ọ o minibätimouer -ọ e/-ọ a/-ọ o	mụbätjimouer -ọ e/-ọ a/-ọ o mụbätimouer -ọ e/-ọ a/-ọ o	500
Classifier 4 (10) bög/bog/bög [bəg]				
bögetjimo –ọ e/-ọ a/-ọ o	**n**abögetjimo –ọ e/-ọ a/-ọ o	minibögetjimo –ọ e/-ọ a/-ọ o	mụbögetjimo –ọ e/-ọ a/-ọ o	5
bögeta –ọ e/-ọ a/-ọ o	**n**abögeta –ọ e/-ọ a/-ọ o	minibögeta –ọ e/-ọ a/-ọ o	mụbögeta –ọ e/-ọ a/-ọ o	10
bögerumae –ọ e/-ọ a/-ọ o	**n**abögerumae –ọ e/-ọ a/-ọ o	minibögerumae –ọ e/-ọ a/-ọ o	mụbögerumae –ọ e/-ọ a/-ọ o	20
bögetimoe –ọ e/-ọ a/-ọ o	**n**abögetimoe –ọ e/-ọ a/-ọ o	minibögetimoe –ọ e/-ọ a/-ọ o	mụbögetimoe –ọ e/-ọ a/-ọ o	30
bögetimae –ọ e/-ọ a/-ọ o	**n**abögetimae –ọ e/-ọ a/-ọ o	minibögetimae –ọ e/-ọ a/-ọ o	mụbögetimae –ọ e/-ọ a/-ọ o	50
bögedumae –ọ e/-ọ a/-ọ o	**n**abögedumae –ọ e/-ọ a/-ọ o	minibögedumae –ọ e/-ọ a/-ọ o	mụbögedumae –ọ e/-ọ a/-ọ o	90
bögetebui -ụ e/-ụ a/-ụ o	**n**abögetebui -ụ e/-ụ a/-ụ o	minibögetebui -ụ e/-ụ a/-ụ o	mụbögetebui -ụ e/-ụ a/-ụ o	100
bögerobui -ụ e/-ụ a/-ụ o	**n**abögerobui -ụ e/-ụ a/-ụ o	minibögerobui -ụ e/-ụ a/-ụ o	mụbögerobui -ụ e/-ụ a/-ụ o	200
bögetjubui -ụ e/-ụ a/-ụ o	**n**abögetjubui -ụ e/-ụ a/-ụ o	minibögetjubui -ụ e/-ụ a/-ụ o	mụbögetjubui -ụ e/-ụ a/-ụ o	300
bögetjimouer –ọ e/-ọ a/-ọ o bögetimouer –ọ e/-ọ a/-ọ o	**n**abögetjimouer –ọ e/-ọ a/-ọ o **n**abögetimouer –ọ e/-ọ a/-ọ o	minibögetjimouer –ọ e/-ọ a/-ọ o minibögetimouer –ọ e/-ọ a/-ọ o	mụbögetjimouer –ọ e/-ọ a/-ọ o mụbögetimouer –ọ e/-ọ a/-ọ o	500
Classifier 5 (11) būm/bum/būm [bim]				
būmitjimo –ọ e/-ọ a/-ọ o	**n**abūmitjimo –ọ e/-ọ a/-ọ o	minibūmitjimo –ọ e/-ọ a/-ọ o	mụbūmitjimo –ọ e/-ọ a/-ọ o	5
būmita –ọ e/-ọ a/-ọ o	**n**abūmita–ọ e/-ọ a/-ọ o	minibūmita –ọ e/-ọ a/-ọ o	mụbūmita –ọ e/-ọ a/-ọ o	10
būmirumae –ọ e/-ọ a/-ọ o	**n**abūmirumae –ọ e/-ọ a/-ọ o	minibūmirumae –ọ e/-ọ a/-ọ o	mụbūmirumae –ọ e/-ọ a/-ọ o	20
būmitimoe –ọ e/-ọ a/-ọ o	**n**abūmitimoe –ọ e/-ọ a/-ọ o	minibūmitimoe –ọ e/-ọ a/-ọ o	mụbūmitimoe –ọ e/-ọ a/-ọ o	30
būmitimae –ọ e/-ọ a/-ọ o	**n**abūmitimae –ọ e/-ọ a/-ọ o	minibūmitimoe –ọ e/-ọ a/-ọ o	mụbūmitimae –ọ e/-ọ a/-ọ o	50
būmidumae –ọ e/-ọ a/-ọ o	**n**abūmidumae –ọ e/-ọ a/-ọ o	minibūmidumae –ọ e/-ọ a/-ọ o	mụbūmidumae –ọ e/-ọ a/-ọ o	90
būmitebui -ụ e/-ụ a/-ụ o	**n**abūmitebui -ụ e/-ụ a/-ụ o	minibūmitebui -ụ e/-ụ a/-ụ o	mụbūmitebui -ụ e/-ụ a/-ụ o	100
būmirobui -ụ e/-ụ a/-ụ o	**n**abūmirobui -ụ e/-ụ a/-ụ o	minibūmirobui -ụ e/-ụ a/-ụ o	mụbūmirobui -ụ e/-ụ a/-ụ o	200
būmitjubui -ụ e/-ụ a/-ụ o	**n**abūmitjubui -ụ e/-ụ a/-ụ o	minibūmitjubui -ụ e/-ụ a/-ụ o	mụbūmitjubui -ụ e/-ụ a/-ụ o	300
būmitjimouer –ọ e/-ọ a/-ọ o būmitimouer –ọ e/-ọ a/-ọ o	**n**abūmitjimouer –ọ e/-ọ a/-ọ o **n**abūmitimouer –ọ e/-ọ a/-ọ o	minibūmitjimouer –ọ e/-ọ a/-ọ o minibūmitimouer –ọ e/-ọ a/-ọ o	mụbūmitjimouer –ọ e/-ọ a/-ọ o mụbūmitimouer –ọ e/-ọ a/-ọ o	500
Classifier 6 (32) bwere/buere [bʷere]				
buereтjimo -ọ e/-ọ a/-ọ o	**n**abuereтjimo -ọ e/-ọ a/-ọ o	minibuereтjimo -ọ e/-ọ a/-ọ o	mụbuereтjimo -ọ e/-ọ a/-ọ o	5
buereта -ọ e/-ọ a/-ọ o	**n**abuereта -ọ e/-ọ a/-ọ o	minibuereта -ọ e/-ọ a/-ọ o	mụbuereта -ọ e/-ọ a/-ọ o	10
buererumae -ọ e/-ọ a/-ọ o	**n**abuererumae -ọ e/-ọ a/-ọ o	minibuererumae -ọ e/-ọ a/-ọ o	mụbuererumae -ọ e/-ọ a/-ọ o	20
buereтimoe -ọ e/-ọ a/-ọ o	**n**abuereтimoe -ọ e/-ọ a/-ọ o	minibuereтimoe -ọ e/-ọ a/-ọ o	mụbuereтimoe -ọ e/-ọ a/-ọ o	30
buereтimae -ọ e/-ọ a/-ọ o	**n**abuereтimae -ọ e/-ọ a/-ọ o	minibuereтimae -ọ e/-ọ a/-ọ o	mụbuereтimae -ọ e/-ọ a/-ọ o	50
bueredumae -ọ e/-ọ a/-ọ o	**n**abueredumae -ọ e/-ọ a/-ọ o	minibueredumae -ọ e/-ọ a/-ọ o	mụbueredumae -ọ e/-ọ a/-ọ o	90
buereтebui -ụ e/-ụ a/-ụ o	**n**abuereтebui -ụ e/-ụ a/-ụ o	minibuereтebui -ụ e/-ụ a/-ụ o	mụbuereтebui -ụ e/-ụ a/-ụ o	100
buererobui -ụ e/-ụ a/-ụ o	**n**abuererobui -ụ e/-ụ a/-ụ o	minibuererobui -ụ e/-ụ a/-ụ o	mụbuererobui -ụ e/-ụ a/-ụ o	200
buereтjubui -ụ e/-ụ a/-ụ o	**n**abuereтjubui -ụ e/-ụ a/-ụ o	minibuereтjubui -ụ e/-ụ a/-ụ o	mụbuereтjubui -ụ e/-ụ a/-ụ o	300
buereтjimouer -ọe/-ọa/-ọo buereтimouer -ọe/-ọa/-ọo	**n**abuereтjimouer -ọ e/-ọ a/-ọ o **n**abuereтimouer -ọ e/-ọ a/-ọ o	minibuereтjimouer -ọ e/-ọ a/-ọ o minibuereтimouer -ọ e/-ọ a/-ọ o	mụbuereтjimouer -ọ e/-ọ a/-ọ o mụbuereтimouer -ọ e/-ọ a/-ọ o	500
Classifier 7 (19/18) bwets/bweti/bueti~ mwetsi/mweti/mueti [bweiʦi~bweiʒi/ mweiʦi~mweiʒi]				
muätitjimo -ọ e/-ọ a/-ọ o buätitjimo -ọ e/-ọ a/-ọ o	**n**amuätitjimo -ọ e/-ọ a/-ọ o **n**abuätitjimo -ọ e/-ọ a/-ọ o	minimuätitjimo -ọ e/-ọ a/-ọ o minibuätitjimo -ọ e/-ọ a/-ọ o	mụmuätitjimo -ọ e/-ọ a/-ọ o mụbuätitjimo -ọ e/-ọ a/-ọ o	5
muätita -ọ e/-ọ a/-ọ o buätita -ọ e/-ọ a/-ọ o	**n**amuätita -ọ e/-ọ a/-ọ o **n**abuätita -ọ e/-ọ a/-ọ o	minimuätita -ọ e/-ọ a/-ọ o minibuätita -ọ e/-ọ a/-ọ o	mụmuätita -ọ e/-ọ a/-ọ o mụbuätita -ọ e/-ọ a/-ọ o	10
muätitirumae -ọ e/-ọ a/-ọ o buätitirumae -ọ e/-ọ a/-ọ o	**n**amuätitirumae -ọ e/-ọ a/-ọ o **n**abuätitirumae -ọ e/-ọ a/-ọ o	minimuätitirumae -ọ e/-ọ a/-ọ o minibuätitirumae -ọ e/-ọ a/-ọ o	mụmuätitirumae-ọ e/-ọ a/-ọ o mụbuätitirumae-ọ e/-ọ a/-ọ o	20
muätitimoe -ọ e/-ọ a/-ọ o buätitimoe -ọ e/-ọ a/-ọ o	**n**amuätitimoe -ọ e/-ọ a/-ọ o **n**abuätitimoe -ọ e/-ọ a/-ọ o	minimuätitimoe -ọ e/-ọ a/-ọ o minimuätitimoe -ọ e/-ọ a/-ọ o	mụamuätitimoe -ọ e/-ọ a/-ọ o mụamuätitimoe -ọ e/-ọ a/-ọ o	30

muätitimae -o e/-o a/-o o buätitimae -o e/-o a/-o o	**n**amuätitimae -o e/-o a/-o o **n**abuätitimae -o e/-o a/-o o	minimuätitimae -o e/-o a/-o o minimuätitimae -o e/-o a/-o o	mumuätitimae -o e/-o a/-o o mumuätitimae -o e/-o a/-o o	50
muätitidumae -o e/-o a/-o o buätitidumae -o e/-o a/-o o	**n**amuätitidumae -o e/-o a/-o o **n**abuätitidumae -o e/-o a/-o o	minimuätitidumae -o e/-o a/-o o minimuätitidumae -o e/-o a/-o o	mumuätitidumae -o e/-o a/-o o mumuätitidumae -o e/-o a/-o o	90
muätitebui -u e/-u a/-u o buätitebui -u e/-u a/-u o	**n**amuätitebuie -u e/-u a/-u o **n**abuätitebuie -u e/-u a/-u o	minimuätitebui -u e/-u a/-u o minibuätitebui -u e/-u a/-u o	mumuätitebui -u e/-u a/-u o mumuätitebui -u e/-u a/-u o	100
muätitirobui -u e/-u a/-u o buätitirobui -u e/-u a/-u o	**n**amuätitirobui -u e/-u a/-u o **n**abuätitirobui -u e/-u a/-u o	minimuätitirobui -u e/-u a/-u o minibuätitirobui -u e/-u a/-u o	mumuätitirobui -u e/-u a/-u o mubuätitirobui -u e/-u a/-u o	200
muätitijubui -u e/-u a/-u o buätitijubui -u e/-u a/-u o	**n**amuätitijubui -u e/-u a/-u o **n**abuätitijubui -u e/-u a/-u o	minimuätitijubui -u e/-u a/-u o minibuätitijubui -u e/-u a/-u o	mumuätitijubui -u e/-u a/-u o mubuätitijubui -u e/-u a/-u o	300
muätitijmouer -o e/-o a/-o o buätitijmouer -o e/-o a/-o o muätitimouer -o e/-o a/-o o buätitimouer -o e/-o a/-o o	**n**abuätitijmouer -o e/-o a/-o o **n**abuätitijmouer -o e/-o a/-o o **n**abuätitimouer -o e/-o a/-o o **n**abuätitimouer -o e/-o a/-o o	minimuätitijmouer -o e/-o a/-o o minibuätitijmouer -o e/-o a/-o o minimuätitimouer -o e/-o a/-o o minibuätitimouer -o e/-o a/-o o	mumuätitijmouer -o e/-o a/-o o mumuätitijmouer -o e/-o a/-o o mumuätitimouer -o e/-o a/-o o mumuätitimouer -o e/-o a/-o o	500
Classifier 8 (34) dume [duume]				
dumetijimo -o e/-o a/-o o	**n**adumetijimo -o e/-o a/-o o	minidumetijimo -o e/-o a/-o o	mudumetijimo -o e/-o a/-o o	5
dumeta -o e/-o a/-o o	**n**adumeta -o e/-o a/-o o	minidumeta -o e/-o a/-o o	mudumeta -o e/-o a/-o o	10
dumerumae -o e/-o a/-o o	**n**adumerumae -o e/-o a/-o o	minidumerumae -o e/-o a/-o o	mudumerumae -o e/-o a/-o o	20
dumetimoe -o e/-o a/-o o	**n**adumetimoe -o e/-o a/-o o	minidumetimoe -o e/-o a/-o o	mudumetimoe -o e/-o a/-o o	30
dumetimae -o e/-o a/-o o	**n**adumetimae -o e/-o a/-o o	minidumetimae -o e/-o a/-o o	mudumetimae -o e/-o a/-o o	50
dumedumae -o e/-o a/-o o	**n**adumedumae -o e/-o a/-o o	minidumedumae -o e/-o a/-o o	mudumedumae -o e/-o a/-o o	90
dumetebui -u e/-u a/-u o	**n**adumetebui -u e/-u a/-u o	minidumetebui -u e/-u a/-u o	mudumetebui -u e/-u a/-u o	100
dumerobui -u e/-u a/-u o	**n**adumerobui -u e/-u a/-u o	minidumerobui -u e/-u a/-u o	mudumerobui -u e/-u a/-u o	200
dumetijubui -u e/-u a/-u o	**n**adumetijubui -u e/-u a/-u o	minidumetijubui -u e/-u a/-u o	mudumetijubui -u e/-u a/-u o	300
dumetijmouer -o e/-o a/-o o dumetimouer -o e/-o a/-o o	**n**adumetijmouer -o e/-o a/-o o **n**adumetimouer -o e/-o a/-o o	minidumetijmouer -o e/-o a/-o o minidumetimouer -o e/-o a/-o o	mudumetijmouer -o e/-o a/-o o mudumetimouer -o e/-o a/-o o	500
Classifier 9 (20) ea [eiæ]				
eatijmo -o e/-o a/-o o	**n**aeatijmo -o e/-o a/-o o	mineatijmo -o e/-o a/-o o	mueatijmo -o e/-o a/-o o	5
eata -o e/-o a/-o o	**n**aeata -o e/-o a/-o o	mineata -o e/-o a/-o o	mueata -o e/-o a/-o o	10
earumae -o e/-o a/-o o	**n**aearumae -o e/-o a/-o o	minearumae -o e/-o a/-o o	mueatumae -o e/-o a/-o o	20
eatimoe -o e/-o a/-o o	**n**aeatimoe -o e/-o a/-o o	mineatimoe -o e/-o a/-o o	mueatimoe -o e/-o a/-o o	30
eatimae -o e/-o a/-o o	**n**aeatimae -o e/-o a/-o o	mineatimae -o e/-o a/-o o	mueatimae -o e/-o a/-o o	50
eadumae -o e/-o a/-o o	**n**aeadumae -o e/-o a/-o o	mineadumae -o e/-o a/-o o	mueadumae -o e/-o a/-o o	90
eatebui -u e/-u a/-u o	**n**aeatebui -u e/-u a/-u o	mineatebui -u e/-u a/-u o	mueatebui -u e/-u a/-u o	100
earobui -u e/-u a/-u o	**n**aearobui -u e/-u a/-u o	minearobui -u e/-u a/-u o	mueatebui -u e/-u a/-u o	200
eatijubui -u e/-u a/-u o	**n**aeatijubui -u e/-u a/-u o	mineatijubui -u e/-u a/-u o	mueatijubui -u e/-u a/-u o	300
eatijmouer -o e/-o a/-o o eatimouer -o e/-o a/-o o	**n**aeatijmouer -o e/-o a/-o o **n**aeatimouer -o e/-o a/-o o	mineatijmouer -o e/-o a/-o o mineatimouer -o e/-o a/-o o	mueatijmouer -o e/-o a/-o o mueatimouer -o e/-o a/-o o	500
Classifier 10 (15) eb/äb [eb]				
betijme -o e/-o a/-o o	**n**abetijme -o e/-o a/-o o	minibetijme -o e/-o a/-o o	mubetijme -o e/-o a/-o o	5
beta -o e/-o a/-o o	**n**abeta -o e/-o a/-o o	minibeta -o e/-o a/-o o	mubeat -o e/-o a/-o o	10
berumae -o e/-o a/-o o	**n**aberumae -o e/-o a/-o o	miniberumae -o e/-o a/-o o	muberumae -o e/-o a/-o o	20
betimoe -o e/-o a/-o o	**n**abetimoe -o e/-o a/-o o	minibetimoe -o e/-o a/-o o	mubetimoe -o e/-o a/-o o	30
betimae -o e/-o a/-o o	**n**abetimae -o e/-o a/-o o	minibetimae -o e/-o a/-o o	mubetimae -o e/-o a/-o o	50
bedumae -o e/-o a/-o o	**n**abedumae -o e/-o a/-o o	minibedumae -o e/-o a/-o o	mubedumae -o e/-o a/-o o	90
betebui -u e/-u a/-u o	**n**abetebui -u e/-u a/-u o	minibetebui -u e/-u a/-u o	mubetebui -u e/-u a/-u o	100
berobui -u e/-u a/-u o	**n**aberobui -u e/-u a/-u o	miniberobui -u e/-u a/-u o	muberobui -u e/-u a/-u o	200
betijubui -u e/-u a/-u o	**n**abetijubui -u e/-u a/-u o	minibetijubui -u e/-u a/-u o	mubetijubui -u e/-u a/-u o	300
betijmouer -o e/-o a/-o o betimouer -o e/-o a/-o o	**n**abetijmouer -o e/-o a/-o o **n**abetimouer -o e/-o a/-o o	minibetijmouer -o e/-o a/-o o minibetimouer -o e/-o a/-o o	mubetijmouer -o e/-o a/-o o mubetimouer -o e/-o a/-o o	500
Classifier 11 (7) eiji/eiyi [eiy/ieʒi]				
eijitijimo -o e/-o a/-o o	**n**aeijitijimo -o e/-o a/-o o	mineijitijimo -o e/-o a/-o o	mueijitijimo -o e/-o a/-o o	5
eijita -o e/-o a/-o o	**n**aeijita -o e/-o a/-o o	mineijitaj -o e/-o a/-o o	mueijita -o e/-o a/-o o	10
eijirumae -o e/-o a/-o o	**n**aeijirumae -o e/-o a/-o o	mineijirumae -o e/-o a/-o o	mueijirumae -o e/-o a/-o o	20
eijitimoe -o e/-o a/-o o	**n**aeijitimoe -o e/-o a/-o o	mineijitimoe -o e/-o a/-o o	mueijitimoe -o e/-o a/-o o	30
eijitimae -o e/-o a/-o o	**n**aeijitimae -o e/-o a/-o o	mineijitimae -o e/-o a/-o o	mueijitimae -o e/-o a/-o o	50
eijidumae -o e/-o a/-o o	**n**aeijidumae -o e/-o a/-o o	mineijidumae -o e/-o a/-o o	mueijidumae -o e/-o a/-o o	90
eijitebui -u e/-u a/-u o	**n**aeijitebui -u e/-u a/-u o	mineijitebui -u e/-u a/-u o	mueijitebui -u e/-u a/-u o	100
eijirobui -u e/-u a/-u o	**n**aeijirobui -u e/-u a/-u o	mineijirobui -u e/-u a/-u o	mueijirobui -u e/-u a/-u o	200
eijitijubui -u e/-u a/-u o	**n**aeijitijubui -u e/-u a/-u o	mineijitijubui -u e/-u a/-u o	mueijitijubui -u e/-u a/-u o	300
eijitijmouer -o e/-o a/-o o eijitimouer -o e/-o a/-o o	**n**aeijitijmouer -o e/-o a/-o o **n**aeijitimouer -o e/-o a/-o o	mineijitijmouer -o e/-o a/-o o mineijitimouer -o e/-o a/-o o	mueijitijmouer -o e/-o a/-o o mueijitimouer -o e/-o a/-o o	500
Classifier 12 (5) eo [eio]				
eotijmo -o e/-o a/-o o	**n**aeotijmo -o e/-o a/-o o	mineotijmo -o e/-o a/-o o	mueotijmo -o e/-o a/-o o	5
eota -o e/-o a/-o o	**n**aeota -o e/-o a/-o o	mineota -o e/-o a/-o o	mueota -o e/-o a/-o o	10
eorumae -o e/-o a/-o o	**n**aeorumae -o e/-o a/-o o	mineorumae -o e/-o a/-o o	mueorumae -o e/-o a/-o o	20
eotimoe -o e/-o a/-o o	**n**aeotimoe -o e/-o a/-o o	mineotimoe -o e/-o a/-o o	mueotimoe -o e/-o a/-o o	30
eotimae -o e/-o a/-o o	**n**aeotimae -o e/-o a/-o o	mineotimae -o e/-o a/-o o	mueotimae -o e/-o a/-o o	50
eodumae -o e/-o a/-o o	**n**aeodumae -o e/-o a/-o o	mineodumae -o e/-o a/-o o	mueodumae -o e/-o a/-o o	90
eotebui -u e/-u a/-u o	**n**aeotebui -u e/-u a/-u o	mineotebui -u e/-u a/-u o	mueotebui -u e/-u a/-u o	100
eorobui -u e/-u a/-u o	**n**aeorobui -u e/-u a/-u o	mineorobui -u e/-u a/-u o	mueorobui -u e/-u a/-u o	200
eotijubui -u e/-u a/-u o	**n**aeotijubui -u e/-u a/-u o	mineotijubui -u e/-u a/-u o	mueotijubui -u e/-u a/-u o	300
eotijmouer -o e/-o a/-o o eotimouer -o e/-o a/-o o	**n**aeotijmouer -o e/-o a/-o o **n**aeotimouer -o e/-o a/-o o	mineotijmouer -o e/-o a/-o o mineotimouer -o e/-o a/-o o	mueotijmouer -o e/-o a/-o o mueotimouer -o e/-o a/-o o	500
Classifier 13 (12) ga [gɑ]				
gatijmo -ne/-na/-no	**n**agatijmo -o e/-o a/-o o	minigatijmo -o e/-o a/-o o	mugatijmo -o e/-o a/-o o	5
gata -o e/-o a/-o o	**n**agata -o e/-o a/-o o	minigata -o e/-o a/-o o	mugata -o e/-o a/-o o	10
garumae -o e/-o a/-o o	**n**agarumae -o e/-o a/-o o	minigarumae -o e/-o a/-o o	mugarumae -o e/-o a/-o o	20
gatimoe -o e/-o a/-o o	**n**agatimoe -o e/-o a/-o o	minigatimoe -o e/-o a/-o o	mugatimoe -o e/-o a/-o o	30
gatimae -o e/-o a/-o o	**n**agatimae -o e/-o a/-o o	minigatimae -o e/-o a/-o o	mugatimae -o e/-o a/-o o	50
gadumae -o e/-o a/-o o	**n**agadumae -o e/-o a/-o o	minigadumae -o e/-o a/-o o	mugadumae -o e/-o a/-o o	90
gatebui -u e/-u a/-u o	**n**agatebui -u e/-u a/-u o	minigatebui -u e/-u a/-u o	mugatebui -u e/-u a/-u o	100
garobui -u e/-u a/-u o	**n**agarobui -u e/-u a/-u o	minigarobui -u e/-u a/-u o	mugarobui -u e/-u a/-u o	200
gatijubui -u e/-u a/-u o	**n**agatijubui -u e/-u a/-u o	minigatijubui -u e/-u a/-u o	mugatijubui -u e/-u a/-u o	300
gatijmouer -o e/-o a/-o o gatimouer -o e/-o a/-o o	**n**agatijmouer -o e/-o a/-o o **n**agatimouer -o e/-o a/-o o	minigatijmouer -o e/-o a/-o o minigatimouer -o e/-o a/-o o	mugatijmouer -o e/-o a/-o o mugatimouer -o e/-o a/-o o	500
Classifier 14 (24) ga/gą [gæ]				
ga tijmo -o e/-o a/-o o	**n**aga tijmo -o e/-o a/-o o	miniga tijmo -o e/-o a/-o o	muga tijmo -o e/-o a/-o o	5
ga ta -o e/-o a/-o o	**n**aga ta -o e/-o a/-o o	miniga ta -o e/-o a/-o o	muga ta -o e/-o a/-o o	10
ga rumae -o e/-o a/-o o	**n**aga rumae -o e/-o a/-o o	miniga rumae -o e/-o a/-o o	muga rumae -o e/-o a/-o o	20
ga timoe -o e/-o a/-o o	**n**aga timoe -o e/-o a/-o o	miniga timoe -o e/-o a/-o o	muga timoe -o e/-o a/-o o	30
ga timae -o e/-o a/-o o	**n**aga timae -o e/-o a/-o o	miniga timae -o e/-o a/-o o	muga timae -o e/-o a/-o o	50
ga dumae -o e/-o a/-o o	**n**aga dumae -o e/-o a/-o o	miniga dumae -o e/-o a/-o o	muga dumae -o e/-o a/-o o	90
ga tebui -u e/-u a/-u o	**n**aga tebui -u e/-u a/-u o	miniga tebui -u e/-u a/-u o	muga tebui -u e/-u a/-u o	100
ga robui -u e/-u a/-u o	**n**aga robui -u e/-u a/-u o	miniga robui -u e/-u a/-u o	muga robui -u e/-u a/-u o	200
ga tijubui -u e/-u a/-u o	**n**aga tijubui -u e/-u a/-u o	miniga tijubui -u e/-u a/-u o	muga tijubui -u e/-u a/-u o	300
ga tijmouer -o e/-o a/-o o ga timouer -o e/-o a/-o o	**n**aga tijmouer -o e/-o a/-o o **n**aga timouer -o e/-o a/-o o	miniga tijmouer -o e/-o a/-o o miniga timouer -o e/-o a/-o o	muga tijmouer -o e/-o a/-o o muga timouer -o e/-o a/-o o	500
Classifier 15 (13) ime [ime]				
imetijimo -o e/-o a/-o o	**n**aimetijimo -o e/-o a/-o o	minimetijimo -o e/-o a/-o o	mumetijimo -o e/-o a/-o o	5
imeta -o e/-o a/-o o	**n**aimeta -o e/-o a/-o o	minimeta -o e/-o a/-o o	mumeta -o e/-o a/-o o	10
imerumae -o e/-o a/-o o	**n**aimerumae -o e/-o a/-o o	minimerumae -o e/-o a/-o o	mumerumae -o e/-o a/-o o	20
imetimoe -o e/-o a/-o o	**n**aimetimoe -o e/-o a/-o o	minimetimoe -o e/-o a/-o o	mumetimoe -o e/-o a/-o o	30
imetimae -o e/-o a/-o o	**n**aimetimae -o e/-o a/-o o	minimetimae -o e/-o a/-o o	mumetimae -o e/-o a/-o o	50
imedumae -o e/-o a/-o o	**n**aimedumae -o e/-o a/-o o	minimedumae -o e/-o a/-o o	mumedumae -o e/-o a/-o o	90
imetebui -u e/-u a/-u o	**n**aimetebui -u e/-u a/-u o	minimetebui -u e/-u a/-u o	mumetebui -u e/-u a/-u o	100
imerobui -u e/-u a/-u o	**n**aimerobui -u e/-u a/-u o	minimerobui -u e/-u a/-u o	mumerobui -u e/-u a/-u o	200
imetijubui -u e/-u a/-u o	**n**aimetijubui -u e/-u a/-u o	minimetijubui -u e/-u a/-u o	mumetijubui -u e/-u a/-u o	300
imetijmouer -o e/-o a/-o o imetimouer -o e/-o a/-o o	**n**aimetijmouer-o e/-o a/-o o **n**aimetimouer-o e/-o a/-o o	minimetijmouer-o e/-o a/-o o minimetimouer-o e/-o a/-o o	mumetijmouer -o e/-o a/-o o mumetimouer -o e/-o a/-o o	500
Classifier 16 (38) in [iin]				
initijimo -o e/-o a/-o o	**n**ainitijimo -o e/-o a/-o o	mininitijimo -o e/-o a/-o o	muinitijimo -o e/-o a/-o o	5
inita -o e/-o a/-o o	**n**ainita -o e/-o a/-o o	mininita -o e/-o a/-o o	muinita -o e/-o a/-o o	10
inirumae -o e/-o a/-o o	**n**ainirumae -o e/-o a/-o o	mininirumae -o e/-o a/-o o	muinirumae -o e/-o a/-o o	20

initimoe -o e/-o a/-o o	ɲainitimoe -o e/-o a/-o o	mininitimoe -o e/-o a/-o o	muinitimoe -o e/-o a/-o o	30
initimae -o e/-o a/-o o	ɲainitimae -o e/-o a/-o o	mininitimae -o e/-o a/-o o	muinitimae -o e/-o a/-o o	50
inidumae -o e/-o a/-o o	ɲainidumae -o e/-o a/-o o	mininidumae -o e/-o a/-o o	muinidumae -o e/-o a/-o o	90
initebui -u e/-u a/-u o	ɲainitebui -u e/-u a/-u o	mininitebui -u e/-u a/-u o	muinitebui -u e/-u a/-u o	100
inirobui -u e/-u a/-u o	ɲainirobui -u e/-u a/-u o	mininirobui -u e/-u a/-u o	muinirobui -u e/-u a/-u o	200
initijubui -u e/-u a/-u o	ɲainitijubui -u e/-u a/-u o	mininitijubui -u e/-u a/-u o	muinitijubui -u e/-u a/-u o	300
initijimouer -o e/-o a/-o o initimouer -o e/-o a/-o o	ɲainitijimouer -o e/-o a/-o o ɲainitimouer -o e/-o a/-o o	mininitijimouer -o e/-o a/-o o mininitimouer -o e/-o a/-o o	muinitijimouer -o e/-o a/-o o muinitimouer -o e/-o a/-o o	500
Classifier 17 (35) ine/inä [iine]				
inätijimo -o e/-o a/-o o	ɲainätijimo -o e/-o a/-o o	mininätijimo -o e/-o a/-o o	muinätijimo -o e/-o a/-o o	5
inäta -o e/-o a/-o o	ɲainäta -o e/-o a/-o o	mininäta -o e/-o a/-o o	muinäta -o e/-o a/-o o	10
inärumae -o e/-o a/-o o	ɲainärumae -o e/-o a/-o o	mininärumae -o e/-o a/-o o	muinärumae -o e/-o a/-o o	20
inätimoe -o e/-o a/-o o	ɲainätimoe -o e/-o a/-o o	mininätimoe -o e/-o a/-o o	muinätimoe -o e/-o a/-o o	30
inätimae -o e/-o a/-o o	ɲainätimae -o e/-o a/-o o	mininätimae -o e/-o a/-o o	muinätimae -o e/-o a/-o o	50
inädumae -o e/-o a/-o o	ɲainädumae -o e/-o a/-o o	mininädumae -o e/-o a/-o o	muinädumae -o e/-o a/-o o	90
inätebui -u e/-u a/-u o	ɲainätebui -u e/-u a/-u o	mininätebui -u e/-u a/-u o	muinätebui -u e/-u a/-u o	100
inärobui -u e/-u a/-u o	ɲainärobui -u e/-u a/-u o	mininärobui -u e/-u a/-u o	muinärobui -u e/-u a/-u o	200
initijubui -u e/-u a/-u o	ɲainitijubui -u e/-u a/-u o	mininitijubui -u e/-u a/-u o	muinitijubui -u e/-u a/-u o	300
initijimouer -o e/-o a/-o o inätimouer -o e/-o a/-o o	ɲainätijimouer -o e/-o a/-o o ɲainätimouer -o e/-o a/-o o	mininätijimouer -o e/-o a/-o o mininätimouer -o e/-o a/-o o	muinätijimouer -o e/-o a/-o o muinätimouer -o e/-o a/-o o	500
Classifier 18 (14) ire [ire]				
iretijimo -o e/-o a/-o o	ɲairetijimo –ne/-na/no	miniretijimo -ne/-na/-no	muiretijimo -o e/-o a/-o o	5
ireta -o e/-o a/-o o	ɲairеta -o e/-o a/-o o	minireta -o e/-o a/-o o	muireta -o e/-o a/-o o	10
irerumae -o e/-o a/-o o	ɲairerumae -o e/-o a/-o o	minirerumae -o e/-o a/-o o	muirerumae -o e/-o a/-o o	20
irtimoe -o e/-o a/-o o	ɲairetimoe -o e/-o a/-o o	miniretimoe -o e/-o a/-o o	muiretimoe -o e/-o a/-o o	30
iretimae -o e/-o a/-o o	ɲairetimae -o e/-o a/-o o	minir etimae-o e/-o a/-o o	muiretimae -o e/-o a/-o o	50
iredumae -o e/-o a/-o o	ɲairedumae -o e/-o a/-o o	miniredumae -o e/-o a/-o o	muiredumae -o e/-o a/-o o	90
iretebui -u e/-u a/-u o	ɲairetebui -u e/-u a/-u o	miniretebui -u e/-u a/-u o	muiretebui -u e/-u a/-u o	100
irerobui -u e/-u a/-u o	ɲairerobui -u e/-u a/-u o	minirerobui -u e/-u a/-u o	muirerobui -u e/-u a/-u o	200
iretijubui -u e/-u a/-u o	ɲairetijubui -u e/-u a/-u o	miniretijubui -u e/-u a/-u o	muiretijubui -u e/-u a/-u o	300
iretijimouer -o e/-o a/-o o iretimouer -o e/-o a/-o o	ɲairetijimouer -o e/-o a/-o o ɲairetimouer -o e/-o a/-o o	miniretijimouer -o e/-o a/-o o miniretimouer -o e/-o a/-o o	muiretijimouer -o e/-o a/-o o muiretimouer -o e/-o a/-o o	500
Classifier 19 (36) iw [iw]				
iwitijimo -o e/-o a/-o o	ɲaiwitijimo -o e/-o a/-o o	miniwitijimo -o e/-o a/-o o	muiwitijimo -o e/-o a/-o o	5
iwita -o e/-o a/-o o	ɲaiwita -o e/-o a/-o o	miniwita -o e/-o a/-o o	muiwita -o e/-o a/-o o	10
iwirumae -o e/-o a/-o o	ɲaiwirumae -o e/-o a/-o o	miniwirumae -o e/-o a/-o o	muiwirumae -o e/-o a/-o o	20
iwitimoe -o e/-o a/-o o	ɲaiwitimoe -o e/-o a/-o o	miniwitimoe -o e/-o a/-o o	muiwitimoe -o e/-o a/-o o	30
iwitimae -o e/-o a/-o o	ɲaiwitimae -o e/-o a/-o o	miniwitimae -o e/-o a/-o o	muiwitimae -o e/-o a/-o o	50
iwidumae -o e/-o a/-o o	ɲaiwidumae -o e/-o a/-o o	miniwidumae -o e/-o a/-o o	muiwidumae -o e/-o a/-o o	90
iwitebui –u e/-u a/-u	ɲaiwitebui -u e/-u a/-u o	miniwitebui -u e/-u a/-u o	muiwitebui -u e/-u a/-u o	100
iwirobui -u e/-u a/-u o	ɲaiwirobui -u e/-u a/-u o	miniwirobui -u e/-u a/-u o	muiwirobui -u e/-u a/-u o	200
iwitijubui -u e/-u a/-u o	ɲaiwitijubui -u e/-u a/-u o	miniwitijubui -u e/-u a/-u o	muiwitijubui -u e/-u a/-u o	300
iwitijimouer -o e/-o a/-o o iwitimouer -o e/-o a/-o o	ɲaiwitijimouer -o e/-o a/-o o ɲaiwitimouer -o e/-o a/-o o	miniwitijimouer -o e/-o a/-o o miniwitimouer -o e/-o a/-o o	muiwitijimouer -o e/-o a/-o o muiwitimouer -o e/-o a/-o o	500
Classifier 20 (21) ke/kä [ke]				
kätijimo -o e/-o a/-o o	ɲakätijimo -o e/-o a/-o o	minikätijimo -o e/-o a/-o o	mukätijimo -o e/-o a/-o o	5
käta -o e/-o a/-o o	ɲakäta -o e/-o a/-o o	minikäta -o e/-o a/-o o	mukäta -o e/-o a/-o o	10
kärumae -o e/-o a/-o o	ɲakärumae -o e/-o a/-o o	minikärumae -o e/-o a/-o o	mukärumae -o e/-o a/-o o	20
kätimoe -o e/-o a/-o o	ɲakätimoe -o e/-o a/-o o	minikätimoe -o e/-o a/-o o	mukätimoe -o e/-o a/-o o	30
kätimae -o e/-o a/-o o	ɲakätimae -o e/-o a/-o o	minikätimae -o e/-o a/-o o	mukätimae -o e/-o a/-o o	50
kädumae -o e/-o a/-o o	ɲakädumae -o e/-o a/-o o	minikädumae -o e/-o a/-o o	mukädumae -o e/-o a/-o o	90
kätebui -u e/-u a/-u o	ɲakätebui -u e/-u a/-u o	minikätebui -u e/-u a/-u o	mukätebui -u e/-u a/-u o	100
kärobui -u e/-u a/-u o	ɲakärobui -u e/-u a/-u o	minikärobui -u e/-u a/-u o	mukärobui -u e/-u a/-u o	200
kätijubui -u e/-u a/-u o	ɲakätijubui -u e/-u a/-u o	minikätijubui -u e/-u a/-u o	mukätijubui -u e/-u a/-u o	300
kätijimouer -o e/-o a/-o o kätimouer -o e/-o a/-o o	ɲakätijimouer -o e/-o a/-o o ɲakätimouer -o e/-o a/-o o	minikätijimouer -o e/-o a/-o o minikätimouer -o e/-o a/-o o	mukätijimouer -o e/-o a/-o o mukätimouer -o e/-o a/-o o	500
Classifier 21 (4) mae/ma [mia]				
maetijimo -o e/-o a/-o o	ɲamaetijimo -o e/-o a/-o o	minimaetijimo -o e/-o a/-o o	mumaetijimo -o e/-o a/-o o	5
maeta -o e/-o a/-o o	ɲamaeta -o e/-o a/-o o	minimaeta -o e/-o a/-o o	mumaeta -o e/-o a/-o o	10
maerumae -o e/-o a/-o o	ɲamaerumae -o e/-o a/-o o	minimaerumae -o e/-o a/-o o	mumaerumae -o e/-o a/-o o	20
maetimoe -o e/-o a/-o o	ɲamaetimoe -o e/-o a/-o o	minimaetimoe -o e/-o a/-o o	mumaetimoe -o e/-o a/-o o	30
maetimae -o e/-o a/-o o	ɲamaetimae -o e/-o a/-o o	minimaetimae -o e/-o a/-o o	mumaetimae -o e/-o a/-o o	50
maedumae -o e/-o a/-o o	ɲamaedumae -o e/-o a/-o o	minimaedumae -o e/-o a/-o o	mumaedumae -o e/-o a/-o o	90
maetebui -u e/-u a/-u o	ɲamaetebui -u e/-u a/-u o	minimaetebui -o e/-o a/-o o-u e/-u a/-u o	mumaetebui -u e/-u a/-u o	100
maerobui -u e/-u a/-u o	ɲamaerobui -u e/-u a/-u o	minimaerobui -o e/-o a/-o o-u e/-u a/-u o	mumaerobui -u e/-u a/-u o	200
maetijubui -u e/-u a/-u o	ɲamaetijubui -u e/-u a/-u o	minimaetijubui -o e/-o a/-o o-u e/-u a/-u o	mumaetijubui -u e/-u a/-u o	300
maetijimouer -o e/-o a/-o o maetimouer -o e/-o a/-o o	ɲamaetijimouer -o e/-o a/-o o ɲamaetimouer -o e/-o a/-o o	minimaetijimouer -o e/-o a/-o o minimaetimouer -o e/-o a/-o o	mumaetijimouer -o e/-o a/-o o mumaetijimouer -o e/-o a/-o o	500
Classifier 22 (25) mage/magä [mᵑge]				
magätijimo -o e/-o a/-o o	ɲamagätijimo -o e/-o a/-o o	minimagätijimo -o e/-o a/-o o	mumagätijimo -o e/-o a/-o o	5
magäta -o e/-o a/-o o	ɲamagäta -o e/-o a/-o o	minimagäta -o e/-o a/-o o	mumagäta -o e/-o a/-o o	10
magärumae -o e/-o a/-o o	ɲamagärumae -o e/-o a/-o o	minimagärumae -o e/-o a/-o o	mumagärumae -o e/-o a/-o o	20
magätimoe -o e/-o a/-o o	ɲamagätimoe -o e/-o a/-o o	minimagätimoe -o e/-o a/-o o	mumagätimoe -o e/-o a/-o o	30
magätimae -o e/-o a/-o o	ɲamagätimae -o e/-o a/-o o	minimagätimae -o e/-o a/-o o	mumagätimae -o e/-o a/-o o	50
magädumae -o e/-o a/-o o	ɲamagädumae -o e/-o a/-o o	minimagädumae -o e/-o a/-o o	mumagädumae -o e/-o a/-o o	90
magätebui -u e/-u a/-u o	ɲamagätebui -u e/-u a/-u o	minimagätebui -o e/-o a/-o o-u e/-u a/-u o	mumagätebui -o e/-o a/-o o-u e/-u a/-u o	100
magärobui -u e/-u a/-u o	ɲamagärobui -u e/-u a/-u o	minimagärobui -o e/-o a/-o o-u e/-u a/-u o	mumagärobui -o e/-o a/-o o-u e/-u a/-u o	200
magätijubui -u e/-u a/-u o	ɲamagätijubui -u e/-u a/-u o	minimagätijubui -o e/-o a/-o o-u e/-u a/-u o	mumagätijubui -o e/-o a/-o o-u e/-u a/-u o	300
magätijimouer -o e/-o a/-o o magätimouer -o e/-o a/-o o	ɲamagätijimouer -o e/-o a/-o o ɲamagätimouer -o e/-o a/-o o	minimagätijimouer -o e/-o a/-o o minimagätimouer -o e/-o a/-o o	mumagätijimouer -o e/-o a/-o o mumagätimouer -o e/-o a/-o o	500
Classifier 23 (22) mwari/mari [mʷʌrʰi]				
maritijimo -o e/-o a/-o o	ɲamaritijimo -o e/-o a/-o o	minimaritijimo -o e/-o a/-o o	mumaritijimo -o e/-o a/-o o	5
marita -o e/-o a/-o o	ɲamarita -o e/-o a/-o o	minimarita -o e/-o a/-o o	mumarita -o e/-o a/-o o	10
marirumae -o e/-o a/-o o	ɲamarirumae -o e/-o a/-o o	minimarirumae -o e/-o a/-o o	mumarirumae -o e/-o a/-o o	20
maritimoe -o e/-o a/-o o	ɲamaritimoe -o e/-o a/-o o	minimaritimoe -o e/-o a/-o o	mumaritimoe -o e/-o a/-o o	30
maritimae -o e/-o a/-o o	ɲamaritimae -o e/-o a/-o o	minimaritimae -o e/-o a/-o o	mumaritimae -o e/-o a/-o o	50
maridumae -o e/-o a/-o o	ɲamaridumae -o e/-o a/-o o	minimaridumae -o e/-o a/-o o	mumaridumae -o e/-o a/-o o	90
maritebui -u e/-u a/-u o	ɲamaritebui -u e/-u a/-u o	minimaritebui -u e/-u a/-u o	mumaritebui -u e/-u a/-u o	100
marirobui -u e/-u a/-u o	ɲamarirobui -u e/-u a/-u o	minimarirobui -u e/-u a/-u o	mumarirobui -u e/-u a/-u o	200
maritijubui -u e/-u a/-u o	ɲamaritijubui -u e/-u a/-u o	minimaritijubui -u e/-u a/-u o	mumaritijubui -u e/-u a/-u o	300
maritijimouer -o e/-o a/-o o maritimouer -o e/-o a/-o o	ɲamaritijimouer -o e/-o a/-o o ɲamaritimouer -o e/-o a/-o o	minimaritijimouer -o e/-o a/-o o minimaritimouer -o e/-o a/-o o	mumaritijimouer -o e/-o a/-o o mumaritimouer -o e/-o a/-o o	500
Classifier 24 (26) mwe/muö [mwe]				
muötijimo -öe/-öa/-öo	ɲamuötijimo -öe/-öa/-öo	minimuötijimo -öe/-öa/-öo	mumuötijimo -öe/-öa/-öo	5
muöta -öe/-öa/-öo	ɲamuöta -öe/-öa/-öo	minimuöta -öe/-öa/-öo	mumuöta -öe/-öa/-öo	10
muörumae -öe/-öa/-öo	ɲamuörumae -öe/-öa/-öo	minimuörumae -öe/-öa/-öo	mumuörumae -öe/-öa/-öo	20
muötimoe -öe/-öa/-öo	ɲamuötimoe -öe/-öa/-öo	minimuötimoe -öe/-öa/-öo	mumuötimoe -öe/-öa/-öo	30
muötimae -öe/-öa/-öo	ɲamuötimae -öe/-öa/-öo	minimuötimae -öe/-öa/-öo	mumuötimae -öe/-öa/-öo	50
muödumae -öe/-öa/-öo	ɲamuödumae -öe/-öa/-öo	minimuödumae -öe/-öa/-öo	mumuödumae -öe/-öa/-öo	90
muötebui -u e/-u a/-u o	ɲamuötebui -u e/-u a/-u o	minimuötebui -u e/-u a/-u o	mumuötebui -u e/-u a/-u o	100
muörobui -u e/-u a/-u o	ɲamuörobui -u e/-u a/-u o	minimuörobui -öe/-öa/-öo-u e/-u a/-u o	mumuörobui -öe/-öa/-öo-u e/-u a/-u o	200
muötijubui -u e/-u a/-u o	ɲamuötijubui -u e/-u a/-u o	minimuötijubui -u e/-u a/-u o	mumuötijubui –u e/-u a/-u o	300
muötijimouer -öe/-öa/-öo muötimouer -öe/-öa/-öo	ɲamuötijimouer -öe/-öa/-öo ɲamuötimouer -öe/-öa/-öo	minimuötijimouer -öe/-öa/-öo minimuötimouer -öe/-öa/-öo	mumuötijimouer -öe/-öa/-öo mumuötijimouer -öe/-öa/-öo	500
Classifier 25 (31) mweiy/mweiji/mueiji [mweiʒi]				
mueijijimo -o e/-o a/-o o	ɲamueijijimo -o e/-o a/-o o	minimueijijimo -o e/-o a/-o o	mumueijijimo -o e/-o a/-o o	5
mueijita -o e/-o a/-o o	ɲamueijita -o e/-o a/-o o	minimueijita -o e/-o a/-o o	mumueijita -o e/-o a/-o o	10
mueijirumae-o e/-o a/-o o	ɲamueijirumae -o e/-o a/-o o	minimueijirumae -o e/-o a/-o o	mumueijirumae -o e/-o a/-o o o	20
mueijitimoe -o e/-o a/-o o	ɲamueijitimoe -o e/-o a/-o o	minimueijitimoe -o e/-o a/-o o	mumueijitimoe -o e/-o a/-o o	30
mueijitimae -o e/-o a/-o o	ɲamueijitimae -o e/-o a/-o o	minimueijitimae -o e/-o a/-o o	mumueijitimae -o e/-o a/-o o	50
mueijidumae -o e/-o a/-o o	ɲamueijidumae -o e/-o a/-o o	minimueijidumae -o e/-o a/-o o	mumueijidumae -o e/-o a/-o o	90
mueijitebui -u e/-u a/-u o	ɲamueijitebui -u e/-u a/-u o	minimueijitebui -u e/-u a/-u o	mumueijitebui -u e/-u a/-u o	100
mueijirobui -u e/-u a/-u o	ɲamueijirobui -u e/-u a/-u o	minimueijirobui -u e/-u a/-u o	mumueijirobui -u e/-u a/-u o	200
mueijitijubui -u e/-u a/-u o	ɲamueijitijubui -u e/-u a/-u o	minimueijitijinui -u e/-u a/-u o	mumueijitijubui -u e/-u a/-u o	300

muejijijmouer-ọ e/-ọ a/-ọ o muejijtmouer-ọ e/-ọ a/-ọ o	n̄amueijijmouer -ọ e/-ọ a/-ọ o n̄amueijijtmouer -ọ e/-ọ a/-ọ o	minimueijijmouer -ọ e/-ọ a/-ọ o minimueijijtmouer -ọ e/-ọ a/-ọ o	mum̄ueijijmouer -ọ e/-ọ a/-ọ o mum̄ueijijtmouer -ọ e/-ọ a/-ọ o	500
Classifier 26 (27) ñe/hge/ngà/nā [ŋe]				
n̄ātijmo -ọ e/-ọ a/-ọ o	n̄anātijmo -ọ e/-ọ a/-ọ o	mininātijmo -ọ e/-ọ a/-ọ o	mun̄ātijmo -ọ e/-ọ a/-ọ o	5
n̄āta -ọ e/-ọ a/-ọ o	n̄anāta -ọ e/-ọ a/-ọ o	mininata -ọ e/-ọ a/-ọ o	mun̄āta -ọ e/-ọ a/-ọ o	10
n̄ārumae -ọ e/-ọ a/-ọ o	n̄anārumae -ọ e/-ọ a/-ọ o	mininārumae -ọ e/-ọ a/-ọ o	mun̄ārumae -ọ e/-ọ a/-ọ o	20
n̄ātimoe -ọ e/-ọ a/-ọ o	n̄anātimoe -ọ e/-ọ a/-ọ o	mininātimoe -ọ e/-ọ a/-ọ o	mun̄ātimoe -ọ e/-ọ a/-ọ o	30
n̄ātimae -ọ e/-ọ a/-ọ o	n̄anātimae -ọ e/-ọ a/-ọ o	mininātimae -ọ e/-ọ a/-ọ o	mun̄ātimae -ọ e/-ọ a/-ọ o	50
n̄ādumae -ọ e/-ọ a/-ọ o	n̄anādumae -ọ e/-ọ a/-ọ o	mininādumae -ọ e/-ọ a/-ọ o	mun̄ādumae -ọ e/-ọ a/-ọ o	90
n̄ātebui -ụ e/-ụ a/-ụ o	n̄anātebui -ụ e/-ụ a/-ụ o	mininātebui -ụ e/-ụ a/-ụ o	mun̄ātebui -ụ e/-ụ a/-ụ o	100
n̄ārobui -ụ e/-ụ a/-ụ o	n̄anārobui -ụ e/-ụ a/-ụ o	mininārobui -ụ e/-ụ a/-ụ o	mun̄ārobui -ụ e/-ụ a/-ụ o	200
n̄ātijubui -ụ e/-ụ a/-ụ o	n̄anātijubui -ụ e/-ụ a/-ụ o	mininātijubui -ụ e/-ụ a/-ụ o	mun̄ātijubui -ụ e/-ụ a/-ụ o	300
n̄ātijmouer -ọ e/-ọ a/-ọ o n̄ātimouer -ọ e/-ọ a/-ọ o	n̄anātijmouer -ọ e/-ọ a/-ọ o n̄anātimouer -ọ e/-ọ a/-ọ o	mininātijmouer -ọ e/-ọ a/-ọ o mininātimouer -ọ e/-ọ a/-ọ o	mun̄ātijmouer -ọ e/-ọ a/-ọ o mun̄ātimouer -ọ e/-ọ a/-ọ o	500
Classifier 27 (6) oe/oā [oʷe]				
oājtimo-ọ e/-ọ a/-ọ o	n̄aoātijmo -ọ e/-ọ a/-ọ o	minoātijmo -ọ e/-ọ a/-ọ o	muoātijmo -ọ e/-ọ a/-ọ o	5
oāta -ọ e/-ọ a/-ọ o	n̄aoāta -ọ e/-ọ a/-ọ o	minoāta -ọ e/-ọ a/-ọ o	muoāta -ọ e/-ọ a/-ọ o	10
oārumae -ọ e/-ọ a/-ọ o	n̄aoārumae -ọ e/-ọ a/-ọ o	minoārumae -ọ e/-ọ a/-ọ o	muoārumae -ọ e/-ọ a/-ọ o	20
oātimoe -ọ e/-ọ a/-ọ o	n̄aoātimoe -ọ e/-ọ a/-ọ o	minoātimoe -ọ e/-ọ a/-ọ o	muoātimoe -ọ e/-ọ a/-ọ o	30
oātimae -ọ e/-ọ a/-ọ o	n̄aoātimae -ọ e/-ọ a/-ọ o	minoātimae -ọ e/-ọ a/-ọ o	muoātimae -ọ e/-ọ a/-ọ o	50
oādumae -ọ e/-ọ a/-ọ o	n̄aoādumae -ọ e/-ọ a/-ọ o	minoādumae -ọ e/-ọ a/-ọ o	muoādumae -ọ e/-ọ a/-ọ o	90
oātebui -ụ e/-ụ a/-ụ o	n̄aoātebui -ụ e/-ụ a/-ụ o	minoātebui -ụ e/-ụ a/-ụ o	muoātebui -ụ e/-ụ a/-ụ o	100
oārobui -ụ e/-ụ a/-ụ o	n̄aoārobui -ụ e/-ụ a/-ụ o	minoārobui -ụ e/-ụ a/-ụ o	muoārobui -ụ e/-ụ a/-ụ o	200
oātijubui -ụ e/-ụ a/-ụ o	n̄aoātijubui -ụ e/-ụ a/-ụ o	minoātijubui -ụ e/-ụ a/-ụ o	muoāyijubui -ụ e/-ụ a/-ụ o	300
oātijmouer -ọ e/-ọ a/-ọ o oātimouer -ọ e/-ọ a/-ọ o	n̄aoātijmouer -ọ e/-ọ a/-ọ o n̄aoātimouer -ọ e/-ọ a/-ọ o	minoātijmouer -ọ e/-ọ a/-ọ o minoātimouer -ọ e/-ọ a/-ọ o	muoātijmouer -ọ e/-ọ a/-ọ o muoātimouer -ọ e/-ọ a/-ọ o	500
Classifier 28 (37) pañ/pang/pa„ n̄ [pan]				
panītijmo -ọ e/-ọ a/-ọ o	n̄apanītijmo -ọ e/-ọ a/-ọ o	minipanītijmo -ọ e/-ọ a/-ọ o	mupanītijmo -ọ e/-ọ a/-ọ o	5
panīta -ọ e/-ọ a/-ọ o	n̄apanīta -ọ e/-ọ a/-ọ o	minipanīta -ọ e/-ọ a/-ọ o	mupanīta -ọ e/-ọ a/-ọ o	10
panīrumae -ọ e/-ọ a/-ọ o	n̄apanīrumae -ọ e/-ọ a/-ọ o	minipanīrumae -ọ e/-ọ a/-ọ o	mupanīrumae -ọ e/-ọ a/-ọ o	20
panītimoe -ọ e/-ọ a/-ọ o	n̄apanītimoe -ọ e/-ọ a/-ọ o	minipanītimoe -ọ e/-ọ a/-ọ o	mupanītimoe -ọ e/-ọ a/-ọ o	30
panītimae -ọ e/-ọ a/-ọ o	n̄apanītimae -ọ e/-ọ a/-ọ o	minipanītimae -ọ e/-ọ a/-ọ o	mupanītimae -ọ e/-ọ a/-ọ o	50
panīdumae -ọ e/-ọ a/-ọ o	n̄apanīdumae -ọ e/-ọ a/-ọ o	minipanīdumae -ọ e/-ọ a/-ọ o	mupanīdumae -ọ e/-ọ a/-ọ o	90
panītebui -ụ e/-ụ a/-ụ o	n̄apanītebui -ụ e/-ụ a/-ụ o	minipanītebui -ụ e/-ụ a/-ụ o	mupanītebui -ụ e/-ụ a/-ụ o	100
panīrobui -ụ e/-ụ a/-ụ o	n̄apanīrobui -ụ e/-ụ a/-ụ o	minipanīrobui -ụ e/-ụ a/-ụ o	mupanīrobui -ụ e/-ụ a/-ụ o	200
panītijubui -ụ e/-ụ a/-ụ o	n̄apanītijubui -ụ e/-ụ a/-ụ o	minipanītijubui -ụ e/-ụ a/-ụ o	mupanītijubui -ụ e/-ụ a/-ụ o	300
panītijmouer -ọ e/-ọ a/-ọ o panītimouer -ọ e/-ọ a/-ọ o	n̄apanītijmouer -ọ e/-ọ a/-ọ o n̄apanītimouer -ọ e/-ọ a/-ọ o	minipanītijmouer -ọ e/-ọ a/-ọ o minipanītimouer -ọ e/-ọ a/-ọ o	mupanītijmouer -ọ e/-ọ a/-ọ o mupanītimouer -ọ e/-ọ a/-ọ o	500
Classifier 29 (30) powi [poʷi]				
powītijmo -ọ e/-ọ a/-ọ o	n̄apowītijmo -ọ e/-ọ a/-ọ o	minipowītijmoi -ọ e/-ọ a/-ọ o	mupowītijmo -ọ e/-ọ a/-ọ o	5
powīta -ọ e/-ọ a/-ọ o	n̄apowīta -ọ e/-ọ a/-ọ o	minipowīta -ọ e/-ọ a/-ọ o	mupowīta -ọ e/-ọ a/-ọ o	10
powīrumae -ọ e/-ọ a/-ọ o	n̄apowīrumael -ọ e/-ọ a/-ọ o	minipowīrumae -ọ e/-ọ a/-ọ o	mupowīrumae -ọ e/-ọ a/-ọ o	20
powītimoe -ọ e/-ọ a/-ọ o	n̄apowītimoe -ọ e/-ọ a/-ọ o	minipowītimoe -ọ e/-ọ a/-ọ o	mupowītimoe -ọ e/-ọ a/-ọ o	30
powītimae -ọ e/-ọ a/-ọ o	n̄apowītimae -ọ e/-ọ a/-ọ o	minipowītimae -ọ e/-ọ a/-ọ o	mupowītimae -ọ e/-ọ a/-ọ o	50
powīdumae -ọ e/-ọ a/-ọ o	n̄apowīdumae -ọ e/-ọ a/-ọ o	minipowīdumae -ọ e/-ọ a/-ọ o	mupowīdumae -ọ e/-ọ a/-ọ o	90
powītebui -ụ e/-ụ a/-ụ o	n̄apowītebui -ụ e/-ụ a/-ụ o	minipowītebui -ụ e/-ụ a/-ụ o	mupowītebui -ụ e/-ụ a/-ụ o	100
powīrobui -ụ e/-ụ a/-ụ o	n̄apowīrobui -ụ e/-ụ a/-ụ o	minipowīrobui -ụ e/-ụ a/-ụ o	mupowīrobui -ụ e/-ụ a/-ụ o	200
powītijubui -ụ e/-ụ a/-ụ o	n̄apowītijubui -ụ e/-ụ a/-ụ o	minipowītijubui -ụ e/-ụ a/-ụ o	mupowītijubui -ụ e/-ụ a/-ụ o	300
powītijmouer -ọ e/-ọ a/-ọ o powītimouer -ọ e/-ọ a/-ọ o	n̄apowītijmouer -ọ e/-ọ a/-ọ o n̄apowītimouer -ọ e/-ọ a/-ọ o	minipowītijmouer -ọ e/-ọ a/-ọ o- minipowītijmouer -ọ e/-ọ a/-ọ o	mupowītijmouer -ọ e/-ọ a/-ọ o mupowītimouer -ọ e/-ọ a/-ọ o	500
Classifier 30 (3) ra [rʰæe]				
ratijmo -ọ e/-ọ a/-ọ o	n̄aratijmo -ọ e/-ọ a/-ọ o	miniratijmo -ọ e/-ọ a/-ọ o	muratijmo -ọ e/-ọ a/-ọ o	5
rata -ọ e/-ọ a/-ọ o	n̄arata -ọ e/-ọ a/-ọ o	minirata -ọ e/-ọ a/-ọ o	murata -ọ e/-ọ a/-ọ o	10
rarumae -ọ e/-ọ a/-ọ o	n̄ararumae -ọ e/-ọ a/-ọ o	minirarumae -ọ e/-ọ a/-ọ o	murarumae -ọ e/-ọ a/-ọ o	20
ratimoe -ọ e/-ọ a/-ọ o	n̄aratimoe -ọ e/-ọ a/-ọ o o	miniratimoe -ọ e/-ọ a/-ọ o	muratimoe -ọ e/-ọ a/-ọ o	30
ratimae -ọ e/-ọ a/-ọ o	n̄aratimae -ọ e/-ọ a/-ọ o	miniratimae -ọ e/-ọ a/-ọ o	muratimae -ọ e/-ọ a/-ọ o	40
radumae -ọ e/-ọ a/-ọ o	n̄aradumae -ọ e/-ọ a/-ọ o	miniradumae -ọ e/-ọ a/-ọ o	muradumae -ọ e/-ọ a/-ọ o	90
ratebui -ụ e/-ụ a/-ụ o	n̄aratebui -ụ e/-ụ a/-ụ o	miniratebui -ụ e/-ụ a/-ụ o	muratebui -ụ e/-ụ a/-ụ o	100
rarobui -ụ e/-ụ a/-ụ o	n̄ararobui -ụ e/-ụ a/-ụ o	minirarobui -ụ e/-ụ a/-ụ o	murarobui -ụ e/-ụ a/-ụ o	200
ratijubui -ụ e/-ụ a/-ụ o	n̄aratijubui -ụ e/-ụ a/-ụ o	miniratijubui -ụ e/-ụ a/-ụ o	muratijubui -ụ e/-ụ a/-ụ o	300
ratijmouer -ọ e/-ọ a/-ọ o ratimouer -ọ e/-ọ a/-ọ o	n̄aratijmouer -ọ e/-ọ a/-ọ o n̄aratimouer -ọ e/-ọ a/-ọ o	miniratijmouer -ọ e/-ọ a/-ọ o miniratimouer -ọ e/-ọ a/-ọ o	muratijmouer -ọ e/-ọ a/-ọ o muratimouer -ọ e/-ọ a/-ọ o	500
Classifier 31 (28) re/rā [rre]				
rātijmo -ọ e/-ọ a/-ọ o	n̄arātijmo -ọ e/-ọ a/-ọ o	minirātijmo -ọ e/-ọ a/-ọ o	murātijmo -ọ e/-ọ a/-ọ o	5
rāta -ọ e/-ọ a/-ọ o	n̄arāta -ọ e/-ọ a/-ọ o	minirāta -ọ e/-ọ a/-ọ o	murāta -ọ e/-ọ a/-ọ o	10
rārumae -ọ e/-ọ a/-ọ o	n̄arārumae -ọ e/-ọ a/-ọ o	minirārumae -ọ e/-ọ a/-ọ o	murārumae -ọ e/-ọ a/-ọ o	20
rātimoe -ọ e/-ọ a/-ọ o	n̄arātimoe -ọ e/-ọ a/-ọ o	minirātimoe -ọ e/-ọ a/-ọ o	murātimoe -ọ e/-ọ a/-ọ o	30
rātimae -ọ e/-ọ a/-ọ o	n̄arātimae -ọ e/-ọ a/-ọ o	minirātimae -ọ e/-ọ a/-ọ o	murātimae -ọ e/-ọ a/-ọ o	50
rādumae -ọ e/-ọ a/-ọ o	n̄arādumae -ọ e/-ọ a/-ọ o	minirādumae -ọ e/-ọ a/-ọ o	murādumae -ọ e/-ọ a/-ọ o	90
rātebui -ụ e/-ụ a/-ụ o	n̄arātebui -ụ e/-ụ a/-ụ o	minirātebui -ụ e/-ụ a/-ụ o	murātebui -ụ e/-ụ a/-ụ o	100
rārobui -ụ e/-ụ a/-ụ o	n̄arārobui -ụ e/-ụ a/-ụ o	minirārobui -ụ e/-ụ a/-ụ o	murārobui -ụ e/-ụ a/-ụ o	200
rātijubui -ụ e/-ụ a/-ụ o	n̄arātijubui -ụ e/-ụ a/-ụ o	minirātijubui -ụ e/-ụ a/-ụ o	murātijubui -ụ e/-ụ a/-ụ o	300
rātijmouer -ọ e/-ọ a/-ọ o –rātimouer -ọ e/-ọ a/-ọ o	n̄arātijmouer -ọ e/-ọ a/-ọ o n̄arātimouer -ọ e/-ọ a/-ọ o	minirātijmouer -ọ e/-ọ a/-ọ o minirātimouer -ọ e/-ọ a/-ọ o	murātijmouer -ọ e/-ọ a/-ọ o murātimouer -ọ e/-ọ a/-ọ o	500
Classifier 32 (29) tete/dete [rere]				
tetetijmo -ọ e/-ọ a/-ọ o	n̄atetetijmo -ọ e/-ọ a/-ọ o	minitetetijmo -ọ e/-ọ a/-ọ o	mutetetijmo -ọ e/-ọ a/-ọ o	5
teteta -ọ e/-ọ a/-ọ o o	n̄ateteta -ọ e/-ọ a/-ọ o	minitateta -ọ e/-ọ a/-ọ o	mutateta -ọ e/-ọ a/-ọ o	10
teterumae -ọ e/-ọ a/-ọ o	n̄ateterumae -ọ e/-ọ a/-ọ o	minitaterumae -ọ e/-ọ a/-ọ o	mutaterumae -ọ e/-ọ a/-ọ o	20
tetetimoe -ọ e/-ọ a/-ọ o	n̄atetetimoe -ọ e/-ọ a/-ọ o	minitetetimoe -ọ e/-ọ a/-ọ o	mutetetimoe -ọ e/-ọ a/-ọ o	30
tetetimae -ọ e/-ọ a/-ọ o	n̄atetetimae -ọ e/-ọ a/-ọ o	minitetetimae -ọ e/-ọ a/-ọ o	mutetetimae -ọ e/-ọ a/-ọ o	40
tetedumae -ọ e/-ọ a/-ọ o	n̄atetedumae -ọ e/-ọ a/-ọ o	minitetedumae -ọ e/-ọ a/-ọ o	mutetedumae -ọ e/-ọ a/-ọ o	90
tetetebui -ụ e/-ụ a/-ụ o	n̄atetetebui -ụ e/-ụ a/-ụ o	minitetetebui -ọ e/-ọ a/-ọ o -ụ e/-ụ a/-ụ o	mutetetebui -ụ e/-ụ a/-ụ o	100
teterobui -ụ e/-ụ a/-ụ o	n̄ateterobui -ụ e/-ụ a/-ụ o	minitaterobui -ọ e/-ọ a/-ọ o -ụ e/-ụ a/-ụ o	mutaterobui -ụ e/-ụ a/-ụ o	200
tetetijubui -ụ e/-ụ a/-ụ o	n̄atetetijubui -ụ e/-ụ a/-ụ o	minitetetijubui -ọ e/-ọ a/-ọ o -ụ e/-ụ a/-ụ o	mutetetijubui -ụ e/-ụ a/-ụ o	300
tetetijmouer -ọ e/-ọ a/-ọ o tetetimouer -ọ e/-ọ a/-ọ o	n̄atetetijmouer -ọ e/-ọ a/-ọ o n̄atetetijmouer -ọ e/-ọ a/-ọ o	minitetetijmouer -ọ e/-ọ a/-ọ o minitetetimouer -ọ e/-ọ a/-ọ o	mutetetijmouer -ọ e/-ọ a/-ọ o mutetetimouer -ọ e/-ọ a/-ọ o	500
Classifier 33 wa/ wa„ [wa]				
wa tijmo -ọ e/-ọ a/-ọ o	n̄awa tijmo -ọ e/-ọ a/-ọ o	miniwa tijmo -ọ e/-ọ a/-ọ o	muwa tijmo -ọ e/-ọ a/-ọ o	5
wa ta -ọ e/-ọ a/-ọ o	n̄awa ta -ọ e/-ọ a/-ọ o	miniwa ta -ọ e/-ọ a/-ọ o	muwa ta -ọ e/-ọ a/-ọ o	10
wa rumae -ọ e/-ọ a/-ọ o	n̄awa rumae -ọ e/-ọ a/-ọ o	miniwa rumae -ọ e/-ọ a/-ọ o	muwa rumae -ọ e/-ọ a/-ọ o	20
wa timoe -ọ e/-ọ a/-ọ o	n̄awa timoe -ọ e/-ọ a/-ọ o	miniwa timoe -ọ e/-ọ a/-ọ o	muwa timoe -ọ e/-ọ a/-ọ o	30
wa timae -ọ e/-ọ a/-ọ o	n̄awa timae -ọ e/-ọ a/-ọ o	miniwa timae -ọ e/-ọ a/-ọ o	muwa timae -ọ e/-ọ a/-ọ o	50
wa dumae -ọ e/-ọ a/-ọ o	n̄awa dumae -ọ e/-ọ a/-ọ o	miniwa dumae -ọ e/-ọ a/-ọ o	muwa dumae -ọ e/-ọ a/-ọ o	90
wa tebui -ụ e/-ụ a/-ụ o	n̄awa tebui -ụ e/-ụ a/-ụ o	miniwa tebui -ụ e/-ụ a/-ụ o	muwa tebui -ụ e/-ụ a/-ụ o	100
wa robui -ụ e/-ụ a/-ụ o	n̄awa robui -ụ e/-ụ a/-ụ o	miniwa robui -ụ e/-ụ a/-ụ o	muwa robui -ụ e/-ụ a/-ụ o	200
wa tijubui -ụ e/-ụ a/-ụ o	n̄awa tijubui -ụ e/-ụ a/-ụ o	miniwa tijubui -ụ e/-ụ a/-ụ o	muwa tijubui -ụ e/-ụ a/-ụ o	300
wa tijmouer -ọ e/-ọ a/-ọ o wa timouer -ọ e/-ọ a/-ọ o	n̄awa tijmouer -ọ e/-ọ a/-ọ o n̄awa timouer -ọ e/-ọ a/-ọ o	miniwa tijmouer -ọ e/-ọ a/-ọ o miniwa timouer -ọ e/-ọ a/-ọ o	muwa tijmouer -ọ e/-ọ a/-ọ o muwa timouer -ọ e/-ọ a/-ọ o	500
Classifier 34 (33) wime [wiime]				
wimetijmo -ọ e/-ọ a/-ọ o	n̄awimetijmo -ọ e/-ọ a/-ọ o	miniwimetijmo -ọ e/-ọ a/-ọ o	muwimetijmo -ọ e/-ọ a/-ọ o	5
wimeta -ọ e/-ọ a/-ọ o	n̄awimeta -ọ e/-ọ a/-ọ o	miniwimeta -ọ e/-ọ a/-ọ o	muwimeta -ọ e/-ọ a/-ọ o	10
wimerumae -ọ e/-ọ a/-ọ o	n̄awimerumae -ọ e/-ọ a/-ọ o	miniwimerumae -ọ e/-ọ a/-ọ o	muwimerumae -ọ e/-ọ a/-ọ o	20
wimetimoe -ọ e/-ọ a/-ọ o	n̄awimetimoe -ọ e/-ọ a/-ọ o	miniwimetimoe -ọ e/-ọ a/-ọ o	muwimetimoe -ọ e/-ọ a/-ọ o	30
wimetimae -ọ e/-ọ a/-ọ o	n̄awimetimae -ọ e/-ọ a/-ọ o	miniwimetimae -ọ e/-ọ a/-ọ o	muwimetimae -ọ e/-ọ a/-ọ o	50
wimedumae -ọ e/-ọ a/-ọ o	n̄awimedumae -ọ e/-ọ a/-ọ o	miniwimedumae -ọ e/-ọ a/-ọ o	muwimedumae -ọ e/-ọ a/-ọ o	90
wimetebui -ụ e/-ụ a/-ụ o	n̄awimetebui -ụ e/-ụ a/-ụ o	miniwimetebui -ụ e/-ụ a/-ụ o	muwimetebui -ụ e/-ụ a/-ụ o	100
wimerobui -ụ e/-ụ a/-ụ o	n̄awimerobui -ụ e/-ụ a/-ụ o	miniwimerobui -ụ e/-ụ a/-ụ o	muwimerobui -ụ e/-ụ a/-ụ o	200
wimetijubui -ụ e/-ụ a/-ụ o	n̄awimetijubui -ụ e/-ụ a/-ụ o	miniwimetijubui -ụ e/-ụ a/-ụ o	muwimetijubui -ụ e/-ụ a/-ụ o	300
wimetijmouer -ọ e/-ọ a/-ọ o wimetimouer -ọ e/-ọ a/-ọ o	n̄awimetijmouer -ọ e/-ọ a/-ọ o n̄awimetimouer -ọ e/-ọ a/-ọ o	miniwimetijmouer -ọ e/-ọ a/-ọ o miniwimetimouer -ọ e/-ọ a/-ọ o	muwimetijmouer -ọ e/-ọ a/-ọ o muwimetimouer -ọ e/-ọ a/-ọ o	500
Classifier 35 (23) wōri/wori/wöri [wʌrī]				
wōritijmo -ọ e/-ọ a/-ọ o	n̄awōritijmo -ọ e/-ọ a/-ọ o	miniwōritijmo -ọ e/-ọ a/-ọ o	muwōritijmo -ọ e/-ọ a/-ọ o	5
wōrita -ọ e/-ọ a/-ọ o	n̄awōrita -ọ e/-ọ a/-ọ o	miniwōrita -ọ e/-ọ a/-ọ o	muwōrita -ọ e/-ọ a/-ọ o	10
wōrirumae -ọ e/-ọ a/-ọ o	n̄awōrirumae -ọ e/-ọ a/-ọ o	miniwōrirumae -ọ e/-ọ a/-ọ o	muwōrirumae -ọ e/-ọ a/-ọ o	20

wŏrĭtimoe -ọ e/-ọ a/-ọ o	ṅawŏrĭtimoe -ọ e/-ọ a/-ọ o	miniwŏrĭtimoe -ọ e/-ọ a/-ọ o	mụwŏrĭtimoe -ọ e/-ọ a/-ọ o	30
wŏrĭtimae -ọ e/-ọ a/-ọ o	ṅawŏrĭtimae -ọ e/-ọ a/-ọ o	miniwŏrĭtimae -ọ e/-ọ a/-ọ o	mụwŏrĭtimae -ọ e/-ọ a/-ọ o	50
wŏridumae -ọ e/-ọ a/-ọ o	ṅawŏridumae -ọ e/-ọ a/-ọ o	miniwŏridumae -ọ e/-ọ a/-ọ o	mụwŏridumae -ọ e/-ọ a/-ọ o	90
wŏrĭtebui -ụ e/-ụ a/-ụ o	ṅawŏrĭtebui -ụ e/-ụ a/-ụ o	miniwŏrĭtebui -ụ e/-ụ a/-ụ o	mụwŏrĭtebui -ụ e/-ụ a/-ụ o	100
wŏrĭrobui -ụ e/-ụ a/-ụ o	ṅawŏrĭrobui -ụ e/-ụ a/-ụ o	miniwŏrĭrobui -ụ e/-ụ a/-ụ o	mụwŏrĭrobui -ụ e/-ụ a/-ụ o	200
wŏrĭtjubui -ụ e/-ụ a/-ụ o	ṅawŏrĭtjubui -ụ e/-ụ a/-ụ o	miniwŏrĭtjubui -ụ e/-ụ a/-ụ o	mụwŏrĭtjubui -ụ e/-ụ a/-ụ o	300
wŏrĭtjimouer -ọ e/-ọ a/-ọ o wŏrĭtimouer -ọ e/-ọ a/-ọ o	ṅawŏrĭtjimouer -ọ e/-ọ a/-ọ o ṅawŏrĭtimouer -ọ e/-ọ a/-ọ o	miniwŏrĭtjimouer -ọ e/-ọ a/-ọ o miniwŏrĭtimouer -ọ e/-ọ a/-ọ o	mụwŏrĭtjimouer -ọ e/-ọ a/-ọ o mụwŏrĭtimouer -ọ e/-ọ a/-ọ o	500
Classifier 36 (39) wŭr/wur/wŭr [wir]				
wŭrĭtjimo -ọ e/-ọ a/-ọ o	ṅawŭrĭtjimo -ọ e/-ọ a/-ọ o	miniwŭrĭtjimo -ọ e/-ọ a/-ọ o	mụwŭrĭtjimo -ọ e/-ọ a/-ọ o	5
wŭrĭta -ọ e/-ọ a/-ọ o	ṅawŭrĭta -ọ e/-ọ a/-ọ o	miniwŭrĭta -ọ e/-ọ a/-ọ o	mụwŭrĭta -ọ e/-ọ a/-ọ o	10
wŭrĭrumae -ọ e/-ọ a/-ọ o	ṅawŭrĭrumae -ọ e/-ọ a/-ọ o	miniwŭrĭrumae -ọ e/-ọ a/-ọ o	mụwŭrĭrumae -ọ e/-ọ a/-ọ o	20
wŭrĭtimo -ọ e/-ọ a/-ọ o	ṅawŭrĭtimo -ọ e/-ọ a/-ọ o	miniwŭrĭtimo -ọ e/-ọ a/-ọ o	mụwŭrĭtimo -ọ e/-ọ a/-ọ o	30
wŭrĭtimae -ọ e/-ọ a/-ọ o	ṅawŭrĭtimae -ọ e/-ọ a/-ọ o	miniwŭrĭtimae -ọ e/-ọ a/-ọ o	mụwŭrĭtimae -ọ e/-ọ a/-ọ o	50
wŭridumae -ọ e/-ọ a/-ọ o	ṅawŭridumae -ọ e/-ọ a/-ọ o	miniwŭridumae -ọ e/-ọ a/-ọ o	mụwŭridumae -ọ e/-ọ a/-ọ o	90
wŭrĭtebui -ụ e/-ụ a/-ụ o	ṅawŭrĭtebui -ụ e/-ụ a/-ụ o	miniwŭrĭtebui-ụ e/-ụ a/-ụ o	mụwŭrĭtebui -ụ e/-ụ a/-ụ o	100
wŭrĭrobui -ụ e/-ụ a/-ụ o	ṅawŭrĭrobui -ụ e/-ụ a/-ụ o	miniwŭrĭrobui -ụ e/-ụ a/-ụ o	mụwŭrĭrobui -ụ e/-ụ a/-ụ o	200
wŭrĭtjubui -ụ e/-ụ a/-ụ o	ṅawŭrĭtjubui -ụ e/-ụ a/-ụ o	miniwŭrĭtjubui -ụ e/-ụ a/-ụ o	mụwŭrĭtjubui -ụ e/-ụ a/-ụ o	300
wŭrĭtjimouer -ọ e/-ọ a/-ọ o wŭrĭtimouer -ọ e/-ọ a/-ọ o	ṅawŭrĭtjimouer -ọ e/-ọ a/-ọ o ṅawŭrĭtimouer -ọ e/-ọ a/-ọ o	miniwŭrĭtjimouer -ọ e/-ọ a/-ọ o miniwŭrĭtimouer -ọ e/-ọ a/-ọ o	mụwŭrĭtjimouer -ọ e/-ọ a/-ọ o mụwŭrĭtimouer -ọ e/-ọ a/-ọ o	500

24.3. Compound Classificatory Demonstrative Numeral.

The Compound Classificatory Demonstrative Numeral follows the same pattern as the Compound Demonstrative Numeral (Section 33.1).

The first part of the compound numeral is the simple classificatory cardinal numeral and bears the emphatic prefix (*nga-*) or one of the non- emphatic prefixes (excluding *bit-* forms), i.e. *min-* or *mu-*. The last element, which is the simple form of the classificatory demonstrative numeral, bears a spatial suffix. Any numbers in between are the simple Cardinal Numerals.

Table 36. Indicative Table of compound Classificatory Demonstrative Numeral using Classifier 29 [30] powi.

11 ṅapowita m aiquön -o̱ e	12 ṅapowita m aro -u̱ e	13 ṅapowita m aiju -u̱ e	14 ṅapowita m aeoq-o̱ e	15 ṅapowita m aijimo -o̱ e
21 ṅapowiruma m aiquön -o̱ e	22 ṅapowiruma m aro -u̱ e	23 ṅapowiruma m aiju -u̱ e	24 ṅapowiruma m aeoq -o̱ e	25 ṅapowiruma m aijimo -o̱ e
31 ṅapowitimo m aiquön -o̱ e	32 ṅapowitimo m aro -u̱ e	33 ṅapowitimo m aiju -u̱ e	34 ṅapowitimo m aeoq -o̱ e	35 ṅapowitimo m aijimo -o̱ e
41 ṅapowin o amma m aiquön -o̱ e	42 ṅapowin o amma m aro -u̱ e	43 ṅapowin o amma m aiju -u e	44 ṅapowin o amma m aeoq -o̱ e	45 ṅapowin o amma m aijimo -o̱ e
51 ṅapowitima m aiquön -o̱ e	52 ṅapowitima m aro -u̱ e	53 ṅapowitima m aiju -u̱ e	54 ṅapowitima m aeoq -o̱ e	55 ṅapowitima m aijimo -o̱ e
61 ṅapowin o ań̇o m aiquön -o̱ e	62 ṅapowin o ań̇o m aro -u̱ e	63 ṅapowin o ań̇o m aiju -u̱ e	64 ṅapowin o ań̇o m aeoq -o̱ e	65 ṅapowin o ań̇o m aijimo -o̱ e

Examples:

682.
ṅarata m aroṵe itüber NG62
E+CL30[3]+ten & two+PROX AB+mat
these 12 mats

683.
mṵtetetimo me aṅoṵe
NEII+CL32[29]+30 & six+PROX
these 36 generations

684.
ṅabümin o amma m auijuṵe
E+cl5[11] FV 40 & eight+PROX
these 48 days days

685.
ṅaoätebu m aṅoma m auijuṵo
E+CL12[5]+100 & 60 & eight+DIST
those 168 trees yonder

686.
ṅabuätin adaṵer me amma m aṅoo̱a
E+CL7[18/19] 900 & 40 & 6+MED
those 946 string

687.
ṅamarin o aro earaṅan me arobu me auijumo m adoo̱a ikumo
E+CL23[22] FV two AB+1000+CONS & two+100 & 80 & nine+MED AB+pig
those 2289 pieces of pork

24.4. Usage in relative clauses

As link words in relative clauses, *Nauru Grammar* (NG63) states that classificatory demonstratives "are used in the singular only". In the plural the general demonstratives are used.

25. Distributive Numerals.

25.1. Introduction

The Causative Prefix *ka-*, when used in conjunction with a numeral root, forms the Nauruan distributive numeral.

In its original form, this acted as a causative verb with a meaning approximating to "effect/receive a distribution of *x*-number each".

This use of *ka-* appears to be a regular use of the the causative prefix in Oceanic languages, i.e. to form distributive numerals.

The structure of the distributive numeral is

Causative Prefix + Numeral Root (+ Classifier)

As indicated above, in its original form it acted as a causative verb with a meaning approximating to "effect/receive a distribution of *x*-number each".

According to Kayser's *Nauru Grammar (*p 171)*:*

"[the Causative Prefix] makes the Distributive Numeral a Causative Numeral Verb. As a pure distributive it is never used but is always joined with the Personal Pronoun (Verbal Pronoun). All the manipulations of which the verb is subject apply equally to these Distributive Causative Verbs."

However, the written sources also present the distributive numeral being used outside of a causative verbal phrase.

This may reflect the influence of English/German usage introduced by the first missionaries, or a genuine Nauruan development.

Even at the beginning of the 20th century these numerals, apart from low number forms, were not widely used, so the information gathered by Kayser in his *Nauru Grammar* and re-presented here is of a largely historical interest.

The Distributive Numerals are used to signify an equal number distributed, and would answer the question "how many each/apiece?". There are several ways of expressing this in English, such as "seven each" , "by sevens", "seven by seven". See also Section 8.2.1.

25.2. Variants of the Causative/Distributive Prefix *ka-*

The Distributive Prefix *ka-* appears in a number of forms.

For ease of reference, the forms (simple and reduplicated) given by Kayser in his *Nauru Grammar* (pages 78 – 162) have been re-analyzed and each variant has been given a form number.

Table 6. Forms of Causative Prefix used in Distributive Numerals (after Kayser) .

Form 1 (Base form)	Form 2 (Reduplicated Form 1)	Form 3 (Triplicated Form 1)	Form 4 (Partially Labialized Form)	Form 5 (Reduplicated Form 4)	Form 6 (Triplicated Form 4)	Form 7 (Fully Labialized Form)	Form 8 (Reduplicated Form 7)	Form 9 (Triplicated Form 7)
ka- with variant kat-	kaka- with variants katakat- and karakar-	katakatakat- and karakarakar-	qua- with variant qui-	quaqua- with variants quataquat- quataqua- quawa- quitaquit- quinuquin-	quaquaquat- with variants quataquataquat- quaraquaraquar-	wa- with variant wat-	watawat- with variant wataqu-	watawatawat- with variant watawataqu-

The tables of the distributive numerals given by Kayser in *Nauru Grammar* indicate that neither in the general/animate distributive numeral forms nor in the classificatory distributive numeral forms were all the possible forms in use. In the accompanying table, where there are empty boxes, this is because Kayser either found no special form existed or failed to record a specialized form.

The fully fused forms are found in the low numerals.

The circumstances in which the variant forms of *kwa-* and *wa- (*Forms 4 to 9 in the above Table) are or were used, and the nuances of each – if any – are no longer discernible.

In Kayser's *Nauru Grammar,* some indication is given that the reduplicated forms were used where the number of actors or recipients was large.

Examples from *Nauru Grammar*:

688.
katakä NG185
one little part each (the few involved) – as against:
689.
katakatakä NG185 *one little part each (the many involved)]*

690.
katebümit egän? NG185 [*how many nights each (the few involed)*?] as against:
691.
katakatebümit egän? NG185 [*how many nights each (the many involved)*?]

692.
amar i ta katakä NG185 we two (exclusive) distribution of only one little part each
Kayser's rendition: we two got only each one a little – as against:
693.
ama i ta katakatakä NG185 we (exclusive plural) distribution of only one little part each
Kayser's rendition: we many got only a little each

25.3. Origin of Variants of the Causative/Distributive Prefix *ka*

If we look at the composition of the variants of the distributive prefix, we see a number of patterns, and these patterns would indicate that the *kat*- forms have spread by analogy in their usage.

1. The basic, original form of the prefix is ka- .

This is seen with all forms containing the numeral 'two', inclusing 'twenty' (two + decade suffix) and two hundred (two + hundreds suffix).

Examples:

ka- + ro 'two' > karo

ka- + ro 'two' + amen > karumen 'two humans each'

ka- + ro 'two' + ma 'tens' > karuma 'twenty humans each'

ka- + ro 'two' + bu 'hundreds' > karobu

Where 'ka-' is followed by the numerals 'six, seven, eight, nine', the original prefix was 'ka-' as can be deduced from the modified forms.

Examples:

ka- + ṅo/ngo 'six' > originally *kaṅo/kango* as evidenced by the variant form *quaṅo/kwango*

ka- + ṅo/ngo 'six' + ma 'tens' > originally *kaṅoma/kangoma* as evidenced by the variant form *quaṅoma/kwangoma*

ka- + aeu/aeiu 'seven' > originally *kaeu/kaeiu* as evidenced by the variant form *quaeu/kwaeiu*

ka- + aeu/aeiu 'seven' + ma 'tens' > originally *kaemo* as evidenced by the variant form *quaemo/kwaemo*

ka- + uju/oiyu 'eight' > originally *kauju/kaoiyu* as evidenced by the variant form *quauju/kwaoiyu*

ka-+ uju/oiyu 'eight' + ma 'tens' > originally *kaujumo/kaoiyumo* as evidenced by the variant form *quaujumo/kwaoiyumo*

ka- + do 'nine' > originally *kado* as evidenced by the variant form *quado/kwado*

ka- + do 'nine' + ma 'tens' > originally *kaduma* as evidenced by the variant form *quaduma/kwadoma*

The same can be deduced for the numeral 'ten' through its forms, i.e.

ka- + ta 'ten' > kata 'ten humans each', and its variant for the general distributive numeral, *quita.*

The same can be deduced for the numeral 'four', by reason of its modified forms. The expected outcome does not appear, i.e.

*ka- + aeoq/aeokw > *kaeoq/kaeokw* whereas the recorded form is *kataeoq/kataeokw* four each

With regard to an expected form *kaeokw*, this form would have been present in a previous stage of the language, this being inferred from the presence of the variant reduplicated form in the general distributive numeral set - *quaquaeoq/kwakwaeokw* - which would have been derived from *kaeoq*, i..e.

kaeoq/kaeokw > quaeoq/kwaeokw > quaquaeoq/kwakwaeokw

This is further reinforced when one considers the classificatory distributive numerals for 'four' in the following examples:

*ka- + a 'four' + eo '*vessel*' CL12 > *kaeo > kaea*

ka- + a 'four' + ma 'tens' > originally *kama* as evidenced bythe variant form *quamma/kwama*

So, the extant form for 'four' in the General Distributive Numeral set, *kataeoq/kataeokw* would have developed through a process of analogy once the variant form 'kat-' became established.

The same history seems to be at work with the form for 'four living being each', i.e.

ka- + a + amen > kamen whereas the recorded form is *katamen* 'four humans each'

With regard to an expected form *kamen*, this form would have been present in a previous stage of the language, the extant form *katamen* would have developed through a process of analogy once the variant form 'kat-' became established.

And the same process for 'four hundred',

ka- + a + bu > kabu whereas the recorded form is *katabu* 'four hundred each'

2. Where the causative prefix is followed by a numeral stem beginning with a high vowel, the prefix has the form kat-.

This could be explained by a fossilized presence of the Construct Particle following the Causative Prefix triggering denasalization, or an epenthetic *-n-* which then underwent denasalization at a later stage in the language history.

Examples:

ka- + -n- + ion 'one' > *katon*

ka- + -n- + iju/iyu 'three' > *katiju/katiyu*

ka- + -n- + iju/iyu 'three' + amen 'male of' > *katiyimen* 'three humans each'

ka- + -n- + ijimo/iyimo 'five' > *katijimo/katiyimo*

> *katijimo/katiyimo > katimo [through syncopation]*

ka- + -n- + iju/iyu 'three' + ma 'tens' > *katijumo/katiyumo* 'thirty humans each'

ka- + -n- + ibu 'hundred' > *katebu*

ka- + -n- + ea 'fourth part fish' CL9 > **katea > kata*

ka- + -n- + eo 'vessel' CL12 > **kateo > kata*

3. kat- spread by analogy.

The fact that *ka- / kat-* doublets exist gives further support to the later development of *kat-* forms and of its spread by analogy, e.g.

ka- + a 'four' + eoq/eokw 'fossilized element'

>*kaeoq/kaeokw [see 1. Above]

> by analogy: kataeoq/kataeokw

ka- + a 'four' amen 'male of'

> *kamen [see 1. Above]

> by analogy: katamen

ka- + a 'four' + bä/be 'coconut leaf' CL3

> *kabä [as evidenced by form quabä/kwabe]

> by analogy: katabä

ka- + a 'four' + eo 'vessel' CL12

> *kaeo > kaea

> by analogy: kataea

ka- + a ‘four’ + mae ‘long, stiff object’ CL21

> *kamae [as evidenced by form quamae/kwamae]

> by analogy: katamae

ka- + a ‘four’ + oä/oe ‘vegetation’ CL27

> *kaoä/kaoe [as evidenced by form quaoä/kwaoe]

> by analogy: kataoä

ka- + a ‘four’ + ra ‘flat surface’ CL30

> *kara [as evidenced by form quara/kwara]

> by analogy: katara

These doublets appear also in the variant forms, showing a further spread by analogy,

e.g.

**kaeoq/kaeokw > *kakaeoq/kakaeow > quaquaeoq/kwakwaeokw*

by analogy: *katakataeoq*

**kamae > *kakamae > quaquamae/kwakwamae CL21*

by analogy:. *katakatamae*

4. Lexicalization of kat-.

It is suggested here that along the way, in a recent pre-colonial development of Nauruan, *kat*- became lexicalized, with the meaning of ‘one each’, and spread through the distributive numeral system by analogy. An epenthetic vowel appears between the lexicalized *kat*- and a numeral root with initial consonant.

Examples:

Preconsonantal outcomes:

[kat/Ca_ > kata + Ca_]

kat ‘one each’ + baṅo/baño ‘part of long object’ CL2	>kataba**ṅ**o/katabaño
kat ‘one each’ + ga ‘reef passage’ CL13	> kataga
kat ‘one each’ + gạ /ga ‘bundle of drinking shells’ CL14	> katagạ /kataga
kat ‘one each’ + mari/mwari ‘larger piecet’ CL23	> katamari/katanmwari
kat ‘one each’ + pạ **ṅ**/pañ ‘reef hollow content’ CL28	> katapạ **ṅ**/katapañ

kat ‘one each’ + ra ‘flat surface’ CL30 > katara

[kat/Ca_ > kate+Ca_]

kat ‘one each’ + wa ‘long, flexible part’ CL33 > katewa

kat ‘one each’ + magä/mage ‘groupingf’ CL22 > katemagä/katemage

kat ‘one each’ + mae ‘long, stiff object’ CL21 > katemae

[kat/Ce_ > kate+Ce_]

kat ‘one each’ + bä/be ‘coconut leaf’ CL3 > katebä/katebe

[kat/Ce_ > kata+Ce_]

kat ‘one each’ + kä/ke ‘small part’ CL20 > katakä/katake

kat ‘one each’ + ṅä/ñe ‘species’ CL26 > kataṅä/katañe

[kat/Cwe_ > kate+Cwe_]

kat ‘one each’ + buer/bwer ‘basket’ CL6 > katebuer/katebwer

[kat/Cwe_ > kata+Cwe_]

kat ‘one each’ + buäti/bwetsi ’long, flexible object’ CL7 > katabuäij/katabweiy

kat ‘one each’ + muäti/mwetsi ’long, flexible object’ CL7 > katamuäij/katamweiy

[kat/Co_ > kata+Co_]

kat ‘one each’ + powi ‘heap’ CL29 > katapowi

[kat/w_ > katu+w_]

kat ‘one each’ + wöri/wõri ‘number of times’ CL35 > katuwöri/katuwõri

kat ‘one each’ + wür/wũr ’bowl’ CL36 > katuwür/katuwür

These do not follow a similar pattern:

kat ‘one each’ + bög/bõg ‘water’ CL4 > katebög/katebög

kat ‘one each’ + büm/bũm ’day’ CL5 > katebüm/katebüm

kat ‘one each’ + dum ‘content of package’ CL8 > katidum

The following two may have a final ‘n’ by analogy with ‘katamen’:

kat ‘one each’ + muö/mwe ‘fruit cluster’’ CL24 > katemuön/katemwen

kat ‘one each’ + mueij/mweiy ‘excrement heap’ CL25 > katemueijin/katamweiyin

Prevocalic outcomes:

[kat/a_ > kata_]

kat ‘one each’ + ae ‘patch’ CL1 > katae

[kat/e_ > kate_]

kat ‘one each’ + äb/eb ‘land’ CL10 > katäb/kateb

kat ‘one each’ + eiji/eiyi ‘single words’ CL11 > kateij/kateiy

[kat/i_ > kati_]

kat ‘one each’ + ime ‘shelter’ CL15 > katim

kat ‘one each’ + in ‘content of coconut fibre wrapping’ CL16 > katin

kat ‘one each’ + ine ‘content of leaf wrapping’ CL17 > katine

kat ‘one each’ + ire ‘leaf’ CL18 > katir

kat ‘one each’ + iw ‘content net’ CL19 > katiw

kat ‘one each’ + wim ‘leaf basket’ CL34 > katiwim

[kat/o_ > kato_]

kat ‘one each’ + oä/oe ‘vegetation’ CL27 > *kataoä > katoä/katoe

5. The process of labialization produced the partially labialized variants in qua/kwa- and the fully labialized variants in wa-.

Interestingly, this process *qua/kwa > wa* is seen elsewhere in Nauruan, at least with the successful outcome root *wö**ń**/võñ/wong*. A doublet, *quö**ń*** , is recorded (NG179) which is here posited as the older form, going out of use at the time of colonial contact:

quöń ~ wöń

6. The variant forms in qui-/kwi- are unexplained.

However, this alternation may have originated with an alternation of *ka ~ ki* which is found with the causative prefix in two environments with a small number of verbal stems:

(a) Where the verbal stem has an accented *i*, the form is *ki-* , e.g.

ka + iwui ‘to shred’ > kiwui NG:171

(b) With a small number of verbal stems – usually with a change in the semantic field of the original verbal stem; e.g.

ka + rodu ‘go down’ > kirodu ‘move along a little, downwards or to the east’ NG:170

ka + ribaṅaṅ ‘hurry up’ > kiribaṅaṅ ‘cause the hurrying up’ NG:170
ka + nogog ‘make up’ > kinogog ‘to fix up nicely’ NG:170
ka + medimed ‘be bitter’ > kimedimed ‘cause to be very bitter’ NG:170

The forms in *qui-/kwi-* are present in:

(i) *ka- + ta ‘ten’ > kata > *kita > quita/kwita*, reduplicated form *quituquita/kwitukwita*

- this is the general distributive numeral form, however for animate subjects the form follows the regular pattern:

ka- + ta > kata ~ quata/kwata

(ii) *ka+ anarama ‘twenty’ > *kanarama > *kinarama > quinarama/kwinarama*, reduplicated form *quinuquinarama*

- this is the general distributive numeral form, however for animate subjects the form follows the regular pattern:

ka+ ru ‘two’ + ma ‘tens’ > karuma ~ quaruma

-

7. There is a phonetically differentiated alternate for ‘twenty’:

quurarama/kwurarama, reduplicated form *quuruquurarama/kwurukwurarama [presumably, from an original *kurarama]*

8. The reduplicated variant kaka- had largely been supplanted by the labialized variants quaqua-/kwakwa- and wawa.

The reduplicated variant *kaka-* is recorded for forms with CL12 *eo*, CL15 *ime*, CL18 *ire*, and *CL27 oä/oe*.

For example:

CL12 *eo*

*ka+ a ‘four’ + eo ‘vessel’ > *kaeo > kaea*

> reduplicated form *kakaea*

*ka- + ro ‘two’ + eo ‘vessel’ > *karoeo > *kareo > kara*

> reduplicated form *kakarara*

*ka- + n + iju/iyu ‘three’ + eo + ‘vessel’ > *kanijueo > *kanijo > *katijo >katija/katiya*

> reduplicated form *kakatija/kakatiya*

In other cases, the initial syllable is partially reduplicated:

CL12 *eo*

ka- + eo 'vessel' + ta 'ten' > kaeota

> reduplicated form *kaekaeota*

CL15 *ime*

ka- + ime 'shelter' + n > kaimen

> reduplicated form *kaekaimen*

ka- + ime 'shelter' +ta 'ten' > kaimeta

> reduplicated form *kaekaimeta*

CL18 *ire*

ka- + ire 'leaf' + ta 'ten' > kaireta

> reduplicated form *kaekaireta*

CL27 oä/oe

ka- + oä 'vegetation' CL27 + ta 'ten' > kaoäta/kaoeta

> reduplicated form *kaoäkaoäta/kaoekaoeta*

kat- reduplicates as *katakat*

katon

> reduplicated form *katakaton*

katijukatiyu

> reduplicated form *katakatiju/katakatiyu*

kataeoq/kataeokw

> reduplicated form *katakataeoq/katakataeokw*

as well as with the labialized variants *quataquat-/kwatakwat- , watawat-*

kar- reduplicates as *karakar-:*

karumen 'two humans each'

> reduplicatd form *karakarumen*

[karo reduplicated form *karokaro]*

karuma 'twenty humans each'

> reduplicated form *karakaruma*

ka- + ru 'two' + ra 'flat surface' CL30 > karura

> reduplicated form *karakarura*

ka- + ra 'flat surface' CL30 + ta 'ten' > karata

> reduplicated form *karakarata*

ka- + ru 'two' + mae 'long stiff object' CL21 > karumae

> reduplicated form *karakarumae*
as well as with the labialized variants *quaraquar-/kwarakwar-*

There are a number of mixed reduplicated forms recorded:

quaquat- quataqua- wataqua-

The triplicated form, *kakaka-* , was only recorded in the variant forms *quaquaqua-/kwakwakwa-* and *watawatawat-*

CL5 büm/bũm
quaquaqua-/kwakwakwa- + ro 'two' + büm/büm 'day' CL5

> quaquaquarabüm/kwakwakwarabũm

CL10 äb/eb
quaquaqua-/kwakwakwa- + äbe/ebe 'parcel of land' CL10 + ta 'ten'

> quaquaquaäbeta/kwakwakwaebeta

quaquaqua-/kwakwakwa- + äbe/ebe 'parcel of land' CL10 + ro 'two' + bu 'hundreds'

> quaquaquaäberobu/kwakwakwaeberobu

CL33 *wa*
quaquaqua-/kwakwakwa- + n – iju/iyu 'three' + wa 'long, flexible part' CL33

> quaquaquatijiwa/kwakwakwatiyiwa

quaquaqua-/kwakwakwa- a 'four' + wa 'long, flexible part' CL33

> quaquaquawa/kwakwakwawa

as well as a mixed form:

watawataqua-

9. The numerals based on 'five' can also appear with syncopated forms,

i.e.

-ijimo > imo

-ijima > ima

-ijimower > -imower

25.4 General and Animate Distributive Numeral.

The general distributive numeral is used with nouns that are not assigned to a classifier. The numbers 1 to 4, 10, 20 and 30, have distinct forms for animacy.

Table 37: General Distributive Numeral with Animate Distributive Numeral (where these differ)

Numeral	Form 1	Form 2	Forms 4	Form 5	Forms 7	Form 8
1	katon gaton	katakaton	quaton	quataquaton	waton	watawaton
2	karo	karokaro karakaro	quaro	quaroquaro		
2 Animate	karumen	karakarumen	quarumen quaramen	quaquarumen quaraquarumen		
3	katiju	katakatiju	quatiju	quataquatiju	watiju	watawatiju
3 Animate	katijimen	katakatijumen	quatijimen	quaquatijumen quataquatijumen	watijimen	watawatijumen
4	kataeoq	katakataeoq	quataeoq	quataquataeoq quaquaeoq	wataeoq	watawataeoq
4 Animate	katamen	katakatamen	quatamen	quataquatamen	watamen	watawatamen
5	katijimo katimo1918	katakatijimo katakatimo 1918	quatijimo quatimo	quataquatimo quataquatijimo	watijimo watimo	watawatijimo watawatimo
6			quaṅo	quaquaṅo		
7			quaeiu quaeu	quaquaeu quaquaeiu		
8			quauju quaoiju	quaquauju quaquaoiju		
9			quado	quaquado quadoquado		
10			quita	quitaquita quituquita 1918		
10 Animate	kata	katakata	quata	quataquata	wata	watawata
20			quinarama quurarama	quinuquinarama quuruquurarama		
20 Animate	karuma	karakaruma	quaruma	quaraquaruma		
30			quanimo kwatimo 1976	quaquanimo quanaquanimo		
30 Animate	katijumo katiyumo	katakatijumo katakatiyumo katakatimo 1918	quatijumo	quaquatijumo quataquatijumo	watijumo	watawatijumo
40			quama quamma	quaquama quaquamma		
50	katima	katakatijima katakatima gadagatima 1976	quatima	quataquatijima quataquatima	watima	watawatijima watawatima
60			quaṅoma quañama 1918 kwangoma 1976	quaquaṅoma		
70			quaemo	quaquaemo		
80			quaujumo quaojomo	quaquaujumo quaquaojomo		
90			quaduma	quadaquaduma		

100	katebu katubu 1918 gatubu 1976	katakatebu katakatubu 1918	quatebu	quataquatebu	watebu	watawatebu
200	karobu	karakarobu	quarobu	quaraquarobu		
300	katijubu	katakatijubu	quatijubu	quataquatijubu	watijubu	watawatijubu
400	katabu	katakatabu katakatubu 1918	quatabu	quataquatabu	watabu	watawatabu
500	katimouer	katakatijimowar katakatimouer	quatijimouer quatimouer	quataquatijimouer quataquatimouer	watijimouer	watawatijimouer watawatimouer
600			quaṅouer quaṅowar	quaquaṅouer		
700			quaeuer quaeiuwar	quaquaeuer quaquaeiuwar		
800			quaujuer quaojuwar	quaquaujuer quaquaojuwar		
900			quadauer quadawar	quadaquadauer		
1,000			quaraṅa	quaquaearaṅan		
2,000	karo earaṅan	karokaro earaṅan	quaro earaṅan	quaroquaro earaṅan		
1000,000			quaraṅa earaṅan	quaquaearaṅan earaṅan		

Notes:

1. *Forms 3, 6, and 9 are missing from this series; missing entries indicate no recorded forms collected and/or entered by Kayser*

25.5. Examples of the Simple Form of the Distributive Numeral.

694.
mar [sic; mwar] katon NG171
2D.DEP CAUS+one
you two, one each

695.
mar [sic; mwar] otaruweij ko epe, mar [sic; mwar] katon NG171
2D.DEP bring+DIR7 COMM AB+stone 2D.DEP CAUS+one
you two, bring here stones, you two –one each
you two, bring one stone each (Kayser's rendition)
Note: '*epe*', 'stone', can also be assigned to Classifier 30[3] if it is a flat stone (see NG8)

696.
ñarumena ã quõr iow iat etañ in quõquõr ar mi erenimi gaton,
E+two+ANIM+MED 3S.DEP bind DIR in+3S.POS AB+place CONS bind+RED 3D.DEP dream AB+dreaming CAUS+one
ion emi erenimi ion, mi ion emi erenimi ion, ian aibũmin Ge 40:5
INDF 3S.DEP+dream AB+dreaming INDF & INDF 3S.DEP+dream AB+dreaming INDF in+3S.POS one+CL.5[11]
those two men were bound in the place of detention, the two of them dreamt a dream one each [both of them had a dream], the one dreamt a dream, the other dreamt a dream, in the one n i g h t

697.
amar mi erenimi gaton anũbũmit eworin, ei ma aña Ge 41:11
1DEXC.DEP dream AB+dreaming CAUS+one LOC+CL5[11]+CON INDF+CL35[23] 3S.IND & 1S.IND
we two dreamt a dream each, on a certain night, he and I [one night he and I each had a dream]

698.
arumen lãmmer ñarumen õkaton an[22] obweni Ex 29:38
two+ANIM lambs E+two+ANIM+ 3S.DEP+CAUS+one GPOS+3S.POS year
two lambs, those two that it is one each its year
[two lambs that are both yearlings]

699.

kalb ion me schaf ion ñarumen ar katon aũrõr obweni Le 9:3
calf INDF & sheep INDF E+two+ANIM+ 3D.DEP CAUS+one GPOSS+3D.POS year
a calf and a sheep, the two of whom had already one year each /a calf and a sheep, both yearlings

700.

Nadab ma Abihu ñarumena ñain Aaron, ar barũ aũrõr eiren in
Nadab & Abihu E+two+ANIM+MED child+3S.POS Aaron 2D.DEP take GPOS+2D.POS receptable CONS
jiũiow iwim ñan obojarara katon Le 10:1
burn.up AB+offering E+ 3S.DEP+sweet.smell+SUP CAUS+one
Nadab and Abiju, those two sons of Aaron, they took their receptables for the sweet-smelling burnt offering, one each [the two of them took each his censer]

701.

mo omwin ata ma aro brot atsin ean; õkaro main attain epha
& 3S.DEP+oven.cook ten & two bread from+3s on+3s 3S.DEP+CAUS+two part+CONS ten+CONS ephah
ian brot ion Le 24:5
in+3S.POS bread INDF
and bake twelve loaves from it; each two parts of ten of an ephah-measure in a loaf/two tenths of an ephah in each loaf

702.

ñabũn oquinarama aũra obweni me ñabũn eñab eken, ion o ion Nu 1:18
E+ANIM.P+ 3S.DEP+CAUS+twenty GPOS+3P.POS year & E+ANIM.P 3S.DEP+old INDF+CL20[21] INDF FV INDF
the ones that (had) twenty each their years and those ones older, one by one [those each twenty years and older, one by one

703.

õkatubu mo[15] quanimo schekel roit iwũr memak,
3S.DEP+CAUS+one.hundred & 3.S.DEP+CAUS+thirty shekel weight+CONS AB+vessel all
mo[15] quaemo roit dõmaugu memak Nu 7:85
& 3S.DEP+CAUS+seventy weight+CONS bowl all
one hundred and thirty shekels each the weight of all the containers and seventy each the weight of all the bowls

704.

oquita schekel roiũra memak Nu 7:86
3S.DEP+CAUS+ten shekel weight+3P.POS all
ten shekels each the weight of all of them

705.

Moses õijõn ũra, ñabũn oquaraña atsin eat arõeni memak,
Moses send 3P.IND E+ANIM.P+ 3S.DEP+CAUS+1000 from+3P.POS on+3S.POS AB+tribe all
aeow eat ake Nu 31:6
towards on+3S.POS AB+fight
Moses sent them, those one thousand each from all the tribes, towards the fight

706.

ino emek ina eñame ñea ouwak, ñea oquaño tiniben mo oquaño
yonder 3S.DEP+dwell there AB+person E+MED big E+MED 3S,DEP+CAUS+six finger+3S.POS & 3S.DEP+CAUS+six
tin-nanan 2Sa 21:20
toes+3S.POS
yonder there was a big man, six each his fingers and six each his toes
[over there was a big man, having six fingers each hand and six toes each foot]

707.

ar quita emainibe godaiũrõr 1Ki 6:23
3D.DEP CAUS+ten AB+cubit height+3D.POS
the two of them ten cubits each, the height of the two of them
[the height of the two of them was ten cubits each]

708.

ikũri ei epe ñan ouwak pũmwen, mũñana epe ñan ouwak, epe ñan
AB+foundation 3S.IND AB+stone E+P+ great value+3S.POS NEII+MED.P AB+stone E+P+ great AB+stone E+P+
oquita emainibe ñabõra 1Ki 7:10
3S.DEP+CAUS+ten AB+cubit elder+3P.POS
[the foundations were stones of great value, large stones, stones that were ten each in cubits their portion]

709.

itũb ñarow eat[21] ijor ñarow eat[21] ekarerewatsi ã ririñ tekei akeweõin lilien,
AB+head E+two+ on+3S.POS AB+post E+two+ on+3S.POS AB+porch 3S.DEP do like measure+CONS lilies
mõ õkataeoq emainibe godaiũrõr 1Ki 7:19
& 3S.DEP+CAUS+four AB+cubit height+S.POS
the heads, the two of which were on the colums, the two of which were on the porch, they were made according to the likeness of lilies, four cubits each, the height of the two of them

710.

oquama bath õañat[21,22] etab memak 1Ki 7:38
3S.DEP+CAUS+foty bath content+CONS AB+basin all
forty bath measures each (being) the contents of all basins

711.

õmwaneowen amerumen kaiwedun aijima ñarumen õrre amo epo a aũrõr ñame
3S.DEP+swallow+PERF male+two captain+CON fifty E+ANIM+two come first together.with to GPOS+2D.POS people
ñabũn õkatima 2Ki 1:14
E+ANIM.P+ 3S.DEP+CAUS+fifty
it then consumed the two captains of fifty, those two who came first, together with their men, those who (numbered) fifty each

712.

opudu inon eat emwarere omo, mo ro qua, õkatubui inon,
3S.DEP+fall some on+3POS AB+earth 3S.DEP+good & 3P.DEP give.fruit 3S.DEP+CAUS+hundred+FV some
oquañama inon, mo oquanimo inon Matt 13:8
3S.DEP+CAUS+sixty some & 3S.DEP+CAUS+thirty some
some fell on the good soil, and they yielded fruit, some a hundred each, some sixty each, some thirty each

713.

oqua õkõr quan: õkatubui inon, oquañama inon mo oquanimo inon Matt 13:23
3S.DEP+fruit INTENS fruit+3S.POS 3S.DEP+hundred+FV some 3S.DEP+sixty some & 3S.DEP+thirty some
it did yield its fruit, some a hundred each, some sixty each, and some thirty each

714.

me ukwa, gatubu ion me kwangoma ion me kwatimo ion Matt 13:23 1976
& 3S.DEP+fruit CAUS+hundred INDF & CAUS+sixty INDF & CAUS+thirty INDF
and it yielded fruit, one person a hundred each, another person sixty each, another person thirty each
Note: kwatimo is not recorded by Kayser as a distributive form for '30'

715.

ro oqua, oquanimo inon, mo oquañama inon, mõ õkatubu inon Mark4:8
3P.DEP fruit 3S.DEP+CAUS+thirty some & 3S.DEP+CAUS+sixty some & 3S.DEP.s+CAUS+hundred some
they yielded fruit, some thirty each, some sixty each, some a hundred each

716.

ro kwa, kwanimo eoen me kwangomwa eoen me kwatibu eoen Mark 4:8 1976
3P.DEP fruit CAUS+thirty INDF+CL27[6] & CAUS+sixty INDF+CL27[6] & CAUS+hundred INDF+CL27[6]
they yielded fruit, one plant thirty each, another plant sixty each, another plant one hundred each

717.

opuduw eat etangang omo inon, me re ron me ro kwatubu
3S.DEP+fall+DIR9 on+3sS.POS AB+place+RED 3S.DEP+good some & 3P.DEP grow+PERF & 3P.DEP CAUS+100
ia ro kwa Lu 8:8 1976
COND 3P.DEP fruit
others fell on the good soil and they then grew and they (produced) one hundred each when they fruited

718.

amwaim õmamegeda n õekae ũra mõ katima õepoieõra Lu 9:14
2P.DEP+MOD FACT+sit.up+RED CONS FACT+separate 3P.IND & CAUS+fifty FACT+gather.up+APPL+3P.GER
you should make to sit and make to separate them, and their being gathered together fifty each/in fifties

719.

amwaim õmamegeda n õekae ũra mõ katima õepoieõra Lu 19:4
2P.DEP+MOD FAC+sit.up+RED CONS FAC+separate 3P.IND & CAUS+fifty FACT+gather.up+APPL+3P.GER
you should make them sit for making them separate and fifty each their being gathered together
[have them sit and separate them into groups of fifty each]

720.

ngana kaiya karo gatiyu[56] metreta oangan[22] John 2:6 1976
E+MED.P maybe CAUS+two CAUS+three metreta content+3S.POS
that maybe its content two or three liquid measures each
[those that contained perhaps two or three metreta]

721.

aworin aiyima [sic; aiyimo] iraeeo me okwamwa irer ngana gatagatonedan
NP+CL35[23] five strike+1sGER & 3s+CAUS+forty strike E+MEDP CAUS+RED+one+DIR1+DIR8
ean o aikwen 2Co11:24 1976
on+3s FV one
five times my being struck (with) forty strokes each, those ones that out of each one by one
[five times my being struck with forty strokes less one]

722.

ngea amea Abraham okwitakwitaiya a [sic] bet kwitait[21] imin memag
E+MED male+MED Abraham FAC+CAUS+RED+ten+APPL+to also CAUS+ten+CONS AB+thing all
amea Heb 7:2 1976
male+MED
this Abraham made ten each for him, also ten each of all things
[Abraham gave him a tenth of all things]

723.

bwe re nim baru atin turit[21] engame kwitait[21] imin tekeiy edoger Heb 7:5 1976
for 3P.DEP MOD take from+3S.POS by+3S.POS AB+person CAUS+ten+CONS AB+thing like AB+law
that they should take from the people ten each of things according to the Law
[that they should take from the people a tenth of things according to the Law]

724.
mũñana amen ñan etsimor rõ quaño bõrañ[47] in õeta Re 1:8
NEII+MED.P four+ANIM E+P+ 3s+live 3P.DEP CAUS+six hand+3P.POS+VNI CONS jump
those four living creatures, they (had) six each their hands for flying (wings)

725.
e[30] eö okor e touw eroquo iruwin me amärumena ör katot[21] erenimi
--- NEG INTENS 3S.DEP [---] 3S.DEP+long after+3S.POS & male+two+ANIM+MED 3D.DEP CAUS+one AB+dream
ñag anbumin Nuw 20:1
TEMP+MED LOC+CL5[11]+CONS
it wasn't a long time afterwards and those two men (had) then one each dream at night

726.
karo a ko ürör talent silber me karo ekarawuin Nuw 68:9
CAUS+two to COMM 3D.IND talent silver & CAUS+two AB+clothing
(give) two each to the two of them silver talent and two each garment
[give to the two of them two silver talents each and two garments each]

727.
i ta mäg inna oaño gat[21] ebög epe, ñana karo me katiju
only dwell there FV+ six container+CONS AB+water AB+stone E+MED.P CAUS+two & CAUS+three
ekäwäw añan[22] NuwNT14:2
AB+measure content+2S.POS
there were there six stone water jars, those that two each or three each measure its content
[there were there six stone water jars, the contents of which were two or three measures each

728.
re rigidan me r uquan me ro katubue [sic] uquan[22] NuwNT 28:1
3P.DEP come.into.existance+DIR1+DIR8 & 3P.DEP fruit+PERF & 3P.DEP CAUS+100+FV fruit+3S.POS
they germinate and they then fruit and they (yield) one hundred each its fruitage
they germinate and then fruit and yield their fruit, a hundred each]

25.6. Simple Form of the Distributive Numeral modified by suffixes.

When a distributive numeral is modified by a suffix, the following observations can be made.

Distributive Numeral + Applicative Suffix *-eiy*:

729.
katon + -eiy = make a single round object (NG173)

katon, one each

'ion', the General Indefinite Determiner, has as its basic meaning 'one round object' (NG171)

'katon' derives from ka- + ion, through phonological change

730.
kwita + eiy = make ten each of it

aruwori aeo eo nganamwi eat iweek eaeoweaeow me a reit okwitaeiy
two+CL35[23] GPOS+1S.POS NEG feast on+3S.POS AB+week endlessly & 1S.DEP PROG CAUS+ten+APPL
totowen memag wonga imin Lu 18:12 1976
give+3S.GER all RPOS+1S.POS AB+thing
twice my fasting on a week constantly and I am (making) ten each of it , the giving of all my belongings
[I fast twice a week constantly and I am making ten each [i.e. a tenth] of it, the giving of all of my belongings]

Distributive Numeral + Directional Suffixes.

731.
katon + DIR1 -eda, upwards

> katoteda (by denasalization)

katoteda + DIR8 -n, from where, out of what

> katotedan = each one out of (NG173)

katotedan + - Applicative Suffix -eiy

> katotedaneij, to take from...by ones, take out of...by ones (NG173)

25.7. Examples of the Reduplicated Form of the Distributive Numeral.

732.
o[30] oija ũra memak ijen aũra karawin katakaton Ge 45:22
--- give.to 3P.IND all chose+3sGER GPOS+3P.POS clothing CAUS+RED+one
he gave them all its being chosen their clothing each one
[he gave them the selected clothing for them one each]

733.
ean abũmita bũmin maram une[14], eñame memak re nimõ barũ katakaton
on+3S.POS NP+CL5[11]+ten day+CONS month PROX AB+person all 3P.DEP MOD take CAUS+RED+one
wañara lamm Ex 12:3
RPOS+3P.POS lamb
on ten days day of this month, all the people should take their lamb, one each
[on the tenth day of this month....]

734.
amwam kekepo memak tekei eiwin a amiã marañ; eñame memak
2P.DEP+MOD CAUS+RED+together all like fitting to GPOS+2P.POS hunger AB+person all
õkatakaton omer Ex 16:16
CAUS+RED+one omer
you should cause a gathering up all according to it is fitting to your hunger; all the people one each omer
[gather up all according to your hunger; everyone an homer each]

735.

rõ katakaton beka, ñea tekei emaen schekel, ñea schekel it[21] ewak
3P.DEP CAUS+RED+one beka E+MED like INDF+21[4] shekel E+MED shekel CONS AB+house
ñea ebwigaga atsin itũrũra ñabũna re naña ũra
E+MED 3S.DEP+holy+SUP from+3S.POS alongside+3S.POS E+ANIM.P+MED 3P.DEP go.to 3P.IND
ñabũna ã ogiten õdũ, ñabũn quinarama aũra obweni Ex 38:26
E+ANIM.P+MED 3S.DEP COMPL count E+ANIM.P+ CAUS+twenty GPOS+3P.POS year
they (gave) one each a beka which is like a half shekel, which is the shekel of the Most Holy abode, from alongside those ones going to them, those ones that had been enumerated, the ones who twenty each their years
[they each gave a beka, which is like a half shekel, being the shekel of the Most Holy abode (The Tabernacle), from alongside the ones making their way to them, the ones who had been enumerated, those who were each twenty years of age]

736.

enimõ mek itũrũmũrõr eñame iot[27]atsin eat[27] arõeni memak in
3S.DEP+MOD dwell alongside+3D.POS AB+person INDF from+3S.POS on+3S.POS tribe all CON
katakaton Nu1:4
CAUS+RED+one
there should be with you a man from every tribe, one each

737.

ñabũne kõr monibain ran aũra wak aũra bagadugu n katakaton Nu 1:44
E+ANIM.P+PROX INTENS rule+CONS branch+CONS GPOS+3P.POS house GPOS+3P.POS ancestor CONS CAUS+RED+one
these ones really are the chieftains of the members of the houses of their forefathers, one each

738.

karakarumet[39] temoniba ean airat[64] wagen, me rõ katakaton ochs Nu 7:3
CAUS+RED+two+ANIM lord on+3S.POS NP+CL30[3]+one waggon & 3P.DEP CAUS+RED+one ox
two each lords on one waggon, and they (brought) one each ox
[two lords each on one waggon (having previously mentioned there were six waggons and twelve chieftains), each one bringing an ox]

739.

õũga deden ririñen ochs in katakaton, õa wider in katakaton,
be.so manner+3CONS do+3S.GER ox CONS CAUS+RED+one or ram CONS CAUS+RED+one
õa lamm in katakaton Nu 15:11
or lamb CONS CAUS+RED+one
it was thus the manner of the doing of it for each single ox, or for each single ram, or for each single lamb

740.

enim õũga bet dedemiã n ririñ in katakaton tekei ebakũra Nu 15:12
3S.DEP+MOD be.so also manner+2P.POS CONS do CONS CAUS+RED+one like numerous+3P.POS
it should be so also your manner of doing it to each one according to their number

741.

me katakaton main atain mehl ñea enemeji Nu 28:13
& CAUS+one+RED part+CONS ten+CONS corn E+MED 3S.DEP+crush
and each one part of ten of crushed corn meal
[and a tenth of crushed corn meal each]

742.

wo nan ere katakaton main ata bwe baet[64] lamm memak inimaget[64] lãmmer
2S.DEP UNR extend CAUS+RED+one part+CONS ten for complement+CONS lamb all among+3S,POS lambs
ñana aeiu Nu 28:21
E+MED.P seven
you will offer one each the part of ten as a complement of all the lambs among the seven lambs
[you will offer a tenth part each as a complement of all the lambs among the seven lambs]

743.

bwe katakatot[21] eñame atsin inimagen aijimowar memak Nu 31:28
for CAUS+RED+one AB+person from+3S.POS among+3S.POS five.hundred all
for one man each from among every five humdred

745.

katakaton prinz atsin ian aũra wak aũra bagadugu Jos 22:14
CAUS+RED+one prince from+3S.POS in+3S.POS GPOS+3P.POS house 3P.POS ancestor
one prince each from the houses of their forefathers

746.

eman memak rõ katakaton mõ karakarumen oniñ in ãn Judg 5:30
AB+male all 3P.DEP CAUS+RED+one & CAUS+RED+two+ANIM young CONS female
every man (takes) one each and/or two each (of) the young women

747.

Samson enua me eiba aijubu alopex mõ[30] õ kani itsij mo[15] oquor - õepoi
Samson 3S.DEP+go & 3S.DEP+catch 300 alopex & CAUS+bring AB+torch & 3S.DEP+bind - FAC+gather+APPL
iwin arumen o arumen mo[15] o quõr itsij katakaton ean aro iwũra memak
tail+3S.POS two+ANIM FV two+ANIM & 3S.DEP bind AB+torch CAUS+RED+one on+3S.POS two tail+3P.POS all
in karakarumen Judg 15:4
CONS CAUS+RED+two+ANIM
Samson went and caught three hundred jackals and brought torches and bound together its tail two [jackals] by two [jackals] and bound torches one each on two (of) all of their tails by twos (jackals)
[Samson went and caught three hundred jackals and brough torches and tound together their tails two by two, and bound by two living creatures a torch each on two of all their tails : in other words, on each of the two bound tails was attached a torch]

748.

ama nan emwin katakata eñame atsin inimagen katakatubu atsin inimaget
1PEXC.DEP UNR call CAUS+RED+ten AB+person from+3S.POS among+3S.POS CAUS+RED+hundred from+3S.POS among+3S.POS
arõeni n Israel memak, ma katakatubu atsin inimagen quaraquaraña,
tribe CONS Israel all & CAUS+RED+hundred from+3S.POS among+3S.POS CAUS+RED+thousand
me quaraquarañ atsin inimagen quituquita erañan, bwe re nim kani õat
& CAUS+RED+thousand from+3S.POS among+3S.POS CAUS+RED+ten NP+1000 for 3P.DEP MOD collect food+3S.POS
eñame Judg 20:10
AB+person
we will call for ten men each from among one hundred each from among the tribes of all Israel, and one hundred each from among one thousand each, and one thousand each from among ten thousand each, in order to collect food for people

749.

monibait dei Philistia re nuawen rõ katakatubu, mo[15] quaraquaraña 1Sa 29:2
rule+CONS people.of Philistia 3P.DEP go+PERF 3P.DEP CAUS+RED+hundred & CAUS+RED+1000
the rulers of the Philistians proceeded to go by hundreds and by thousands

750.

eñame memak re metan katakatubu mo[15] quaraquaraña 2Sam 18:4
AB+person all 3P.DEP go.out+DIR8 CAUS+RED+hundred & 3s+CAUS+RED+thousand
all the men then went out from there by hundreds and by thousands

751.

e ririñ debain memak eat erũrũn memak, ian ororit dõmaneab,
3S.DEP do platform+CONS all on+3S.POS side+3S.POS all in+3S.POS wall+CONS meeting.house
mõ õ katakatimo emainibe godaiũrei 1Ki 6:10
& 3S.DEP+CAUS+RED+five AB+cubit height+3T.POS
he made all of its stories on all its sides, at the House walls, and he (made) five cubits each, the height of the three of them

752.
eñamwin memak rõ katakataeoq kabirorora ñana eborage,
base+3S,POS all 3P.DEP CAUS+RED+four wheel+3P.POS E+MED.P AB+brass
me eõab ñana eborage 1Ki 7:30
& AB+support E+MED.P AB+brass
all its bases, they made fours brass wheels each, and brass axles

753.
rõ õgõg katakaton groschen Matt 20:9
3P.DEP take.hold CAUS+RED+one groschen
they received one groscen (shilling) each

754.
ro gadagadot denar Matt 20:9 1976
3P.DEP CAUS+RED+one denar
they (distributed) one denarius each

755.
ta tsitobo aũra katakaton groschen Matt 20:10
only similar GPOS+3P.POS CAUS+RED+one groschen
it was just the same their one groschen each

756.
ngabuna bet me ro gadagadot denar Matt 20:10 1976
E+ANIM.P+MED also & 3P.DEP CAUS+RED+one denar
those ones too, they (received) one dinar each

757.
rõ õrig quara, rõ katakatubui Lu 8:8
3P.DEP FAC+create fruit+3P.POS 3P.DEP CAUS+RED+hundred+FV
they produced their fruit, they (produced) one hundred each

758
mwa omamegedu ko ura me otate urangin[47] gadagatima Lu 9:14 1976
2P.DEP FAC+sit.up+RED COMM 3P.IND & set.in.order+RED 3P.DEP+VNI+CONS CAUS+RED+50
make them sit up and set them in order by fifties

759.
ngaga ro ogiten gadagatona mungana epon mogur wongara priest Ac 14:22
TEMP+MED 3P.DEP COMP CAUS+RED+one+to NEII+MEDP gather. together+CONS work RPOS.+3P.POS priest
when they had (distributed) one each to those congregated for the work of their priests

760.
tekeiy bita kewewit[21] itueb ngea God ogodagaton a tamo ion Ro 12:3
like NEIII+MED CAUS+measure AB+faith E+MED God 3S.DEP+CAUS+RED+one to any INDF
according to the measure of faith that God (gave) one each to anyone

761.
amebuna deacon re nim ta gadagaton agora 1Ti 3:12 1976
male+ANIM.P+MED deacon 3P.DEP MOD only CAUS+RED+one spouse+3p
[those deacons should (have) just one each their wives/have just one wife each]

762.

me ogadagaton a ura ekarawin ion oburobur Re 6:11 1976
& 3S.DEP+CAUS+RED+one to 3P.IND AB+clothing INDF white
and (gave) one each to them a white garment

763.

eoniṅ in än bu̱na kamie[52]! ma [sic; mwa]nuwa kö me tsiba amie ebuer
AB+young CONS female ANIMP+MED 2P.IND 2P.DEP go COMM & break.off GPOS+2P.POS AB+basket
ma [sic; mwa] karakaro äeäen bue ma'üm [sic [mwaim] ekä era̱ṅä NG218
2P.DEP CAUS+RED+two weave+RED+3S.GER for 2P.DEP+MOD act.as AB+shingle
you girls there! go and cut it off (for) your baskets and two woven works each so that you should make (them for) shingle
[Kayser's rendition: you girls go and cut ott materials for your baskets, each one must plait two baskets for carrying shingle]

764.

Gott ämuitow[71] ian män Adam memag imin ö gökörö, bue re nüm katakaton
God call+DIR in+3S.POS eye+3S.POS Adam all AB+thing 3S.DEP run+RED for 3P.DEP MOD CAUS+RED+one
ägöra eow itürin Nuw 3:4
name+3P.POS DIR by+3S.POS
God called before Adam all the animals in order they should (get) one each their names through him

765.

o pan bät, bue e nüm oij a üra karokarot[21] ekarawuin ngan e togit[53] omo
3S.DEP speak also for 3S.DEP MOD give to 3P.IND CAUS+RED+two AB+clothing E+MED.P 3S.DEP end+CONS good
me aijimo amea Benjamin me aijibu bät geld Nuw 25:3
& five male+MED Benjamin & three.hundred also m o n e y
he also spoke that he should give to them two garments each, most fine, and five (for) Benjamin and three hundred (pieces of) money also

766.

o kananit[21] iturañañ e ieieda eow ean äben Agypten memag
3S.DEP fearsome+CONS AB+howl 3S.DEP raise.up+RED DIR on+3S.POS land+CONS Egypt all
ñaga emat[27] añamä katakaton Nuw33:4
TEMP+MED 3S.DEP+die+PERF person CAUS+RED+one
a frightful howl continued to rise up in all the land of Egypt since there had died one person each

767.

me ötötä ngabüna oaijibu me ekä üra aijimae ätar in ake me ro
and set+RED E+ANIM.P+MED FV+three.hundred & make 3P.IND three+CL21[4] group CONS fight & 3P.DEP
katakatot[64] posaune me gat[21] ebög ion äwäwitow[71] iat[21] idij Nuw 48:9
CAUS+RED+one+CONS trombone & vessel+CONS AB+water INDF hide+DIR in+3S.POS AB+torch
and set apart those three hundred men and make of them three fighting groups and they (take) each one a trombone and a water jug hiding torches within

768.

amäbüna an priester Baal r ädua aüra karawuin e togit[53] omo
male+ANIM.P+MED GPOS+3S.POS priests Baal 3P.DEP put.on GPOS+3P.POS clothing 3S.DEP end+CONS good
me ro katakaton oquaän krone ebuätin lorbeer me re barü ochs ion
& 3P.DEP CAUS+RED+one encircle+3S.GER crown INDF+CL7[18/19] laurel & 3P.DEP take ox INDF
me r abi Nuw 65:3
& 3P.DEP slay
the priests of Baal put on their best clothing and they (had) one each, an encircling crown of laurel, and they took an ox and they slew it

769.

ro katakaton in totow ägöra ian aüra aroäni me ian gawan ubuiöra
3P.DEP CAUS+RED+one CONS give name+3P.POS in+3S.POS GPOS+3P.POS tribe & in+3S.POS town+CONS homestead+3P.POS
they (gave) one each in giving their names in their tribes and in the district of their homestead
[they gave their names by tribe and by district of home territory]
NuwNT5:1

770.

memag ñabüna re mäta eat[64] stunde ata m aiquön ro katakatot denar memag
all E+ANIM.P+MED 3P.DEP go.out on+3S.POS hour ten & one 3P.DEP CAUS+RED+one denar all
ñabüna amo re nimän inan ouwak ekän[62] ömarrümüra me re tük katakatot[39]
E+ANIM.P+MED first 3P.DEP consider UNR great INDF+CL20[21] payment+3P.POS & 3P.DEP yet CAUS+RED+one
denar bät ñabüna NuwNT 55:4
denarius also E+ANIM.P+MED
all those ones coming out on the eleventh hour, they (get) one denatius each, all those one first they consider their wages wll be greater and they yet (get) one denarius each also those ones

771.

amea inan öüijöt[27] aeow ñabüna wan eñel ñabün o katakaton posaune NuwNT62:7
male+MED UNR send towards E+ANIM.P+MED RPOS+3S.POS angel E+ANIM.P+ CAUS+RED+one trombone
he will send out to his angels, those (have) one each, trombone

25.8.Examples of the Specific Animate Form of Distributive Numeral.

772.

ma [sic; mwa] inan karakarumen iö ma [sic; mwa] roga NG216
2P.DEP UNR CAUS+RED+two+ANIM COND 2p go.up
you will (be) in twos if you come up
[Kayser's rendition: if you come up, come in twos]

773.

karakarumen tekei eõrũra Ge 6:20
CAUS+RED+two+ANIM like kind+3p
two living creatures each according to their kind

774.

re metu n karakarumen memak Ge 7:9
3P.DEP go.in CONS CAUS+RED+two+ANIM all
they all went in two by two/in pairs

775.

wo nan barũ katakatimo schekel atsin itũrũra bwe pũmwõra Nu 3:4
2S.DEP UNR take CAUS+RED+thirty shekel from+3S.POS alongside+3P.POS for value+3P.POS
you must take thirty shekels each from them, as their value

776.

karakarumet[39] temoniba ean airat[64] wagen, me rõ katakaton ochs Nu 7:3
CAUS+RED+two+ANIM lord on+3S.POS NP+CL30[3]+one waggon & 3P.DEP CAUS+RED+one ox
two each lords on one waggon, and they (brought) one each ox
[two lords each on one waggon (having previously mentioned there were six waggons and twelve chieftains), each one bringing an ox]

777.

eman memak rõ katakaton mõ karakarumen oniñ in ãn Judg 5:30
AB+male all 3P.DEP CAUS+RED+one & CAUS+RED+two+ANIM young CONS female
every man (takes) one each and/or two each (of) the young women

778.

Samson enua me eiba aijubu alopex mõ[30] õ kani itsij mo[15] oquor - õepoi
Samson 3S.DEP+go & 3S.DEP+catch 300 alopex & CAUS+bring AB+torch & 3S.DEP+bind - FAC+gather+APPL
iwin arumen o arumen mo[15] o quõr itsij katakaton ean aro iwũra memak
tail+3S.POS two+ANIM FV two+ANIM & 3S.DEP bind AB+torch CAUS+RED+one on+3S.POS two tail+3P.POS all
in karakarumen Judg 15:4
CONS CAUS+RED+two+ANIM
Samson went and caught three hundred jackals and brought torches and bound together its tail two [jackals] by two [jackals] and bound torches one each on two (of) all of their tails by twos (jackals)
[Samson went and caught three hundred jackals and brough torches and tound together their tails two by two, and bound by two living creatures a torch each on two of all their tails : in other words, on each of the two bound tails was attached a torch]

779.

mõ karakarumen eat ewak ñea eñat imin 1Chr 26:17
& 3S.DEP+ CAUS+RED+two+ANIM on+3S.POS AB+house E+MED place+CONS AB+thing
and he (distributed) two men each for the house the one which is the place for things]

780.

õ[30] õijõn ũrañ[47] in karakarumen Mark 6:7
--- send 3P.DEP+VNI CONS CAUS+RED+two+ANIM
he sent them two each/in pairs/in twos/two by two

781.

me oaweiyidan oiyotow[71] eat eb ura in ekura karakarumen Mark 6:7 1976
& begin+CONS send+DIR on+3S.POS land 3P.IND CONS call CAUS+RED+two+ANIM
and he began to send them out into the land by calling two each/in pairs/in twos/two by two

782.

iruwin mũñane, Temoniba eij bet aemo eñame, mõ[30] õijõn ũrañ[47] in
after+3S.POS NEII+PROX.P lord 3S.DEP+chose also seventy AB+person & send 3P.IND+VNI CONS
karakarumen ian obwen Luke 10:1
CAUS+RED+two+ANIM in+3S.POS front+3S.POS
after these things, the Lord chose also seventy men, and sent them two each/in twos/in pairs ahead of him
[1976 New Testament used the Latin Vulgate text and its English translations which gives '72' as the number sent out, whereas the oldest Greek texts gives '70', which is reflected in the 1918 Bible, as the protestant missionaries did not use the Vulgate as their master text]

783.

iruwin mungana me amea Demoniba iy yuw aemo me arumen me oiyon in
after+3S.POS NEII+MED.P & male+MED lord chose more seventy & two+ANIM & send CONS
karakarumen ngabuna Luke 10:1 1976
CAUS+RED+two+ANIM E+ANIM.P+MED
after those things the Lord chose seventy-two more men and sent those ones two each/in twos/in pairs
[1976 New Testament used the Latin Vulgate text and its English translations which gives '72' as the number sent out, whereas the oldest Greek texts gives '70', which is reflected in the 1918 Bible, as the protestant missionaries did not use the Vulgate as their master text]

784.

a erow aworititimwo [sic; awöritijimo] karakarumen in oxen me
1S.DEP exchange NP+CL35[23]+five CAUS+RED+two.ANIM CONS oxen &
a nuwawen bwe a nim kwokwon ura Lu 14:19 1976
1S.DEP go+PERF for 1S.DEP MOD examine 3P.IND
I bought five times two each of oxen (five span of oxen) and I then went in order to examine them

785.

ngabuna r oraiy mungana angoget prophecy re nim karakarumen oa
E+ANIM.P+MED 3P.DEP utter NEII+MED.P word+CONS prophecy 3P.DEP MOD CAUS+RED+two.ANIM or
gadagatiyimen in torer 1Co 14:29 1976
CAUS+RED+three.ANIM CONS talk
those ones uttering words of prophecy, they should (do so) two persons each speaking or three persons each speaking
[let those prophesying be in twos speaking or in threes]

786.

baruen mungana kwitakwit ain [sic: kwitakwitain] wan imin
take+PERF NEII+MED.P CAUS+RED+ten+CONS RPOS+3S.POS AB+thing
amea Abraham Heb 7:6 1976
male+MED Abraham
then took those ten each of Abraham's belongings
[then took the tenth of Abraham's belongings]

787.

r ogok ngana kwitakwitait[21] imin Heb 7:7 1976
3P.DEP hold E+MED.P CAUS+RED+ten+CONS AB+thing
they took those ten each of things/a tenth of things]

788.

ngea ogok kwitakwitait[21] imin Heb 7:9 1976
E+MED hold CAUS+RED+ten+CONS AB+thing
the one who took ten each of things /a tenth of things

789.

muamena re Timor ro kwakwango beora n bwait eoeta Rev 4:8
NEII+four+human+MED 3P.DEP live 3P.DEP CAUS+RED+six hand+3P.POS CONS object+CONS 3S.DEP+fly
those four living beings, they (had) six each hands for flight (wings) each/ they has six wings each

790.

wo nan öramatuw ian meona bät tuwen t amo müngan e timitimor:
2S.DEP UNR attend.to in+3S.POS NEII+CL12[5]+MED also flesh+3S.POS any NE+P+ 3S.DEP live+RED
wo nan karakarumet[21] emman me eän, bue re nüm mäg idangum Nuw 6:5
2S.DEP UNR CAUS+RED+two+ANIM AB+male & female for 3P.DEP MOD dwell a l o n g s i d e +2S.POS
you must attend to it in the vessel also any flesh that is living: you must (take) two living creatures each, male and female, so that they may be with you

791.

ñag amea Demoniba ogiten metimeti a ñabüna rat[21] kereri deideit[27]
TEMP+MED male+MED lord COMP exhort to E+ANIM.P+MED branch+CONS AB+CAUS+learn manner+3S.POS
añamä ea üra me öüijöten[21]üra, bue re nüm karakarumet[21] ea nuwaw me naña tagawa
person to 3P.IND & send+PERF 3P.IND for 3P.DEP MOD CAUS+RED+two+ANIM away & go.to city
memag me popatow[71] inna añögen Gott NuwNT31:7
all & speak+RED+DIR there word+CONS God
when the Lord had exhorted his disciples the way of people to them and he then sent them so that they should (go) away in twos and go to all the town and declare there about God

792.

me öüijöten[21] ñabüna in karakarumen me öüge: ñea o kaijöt kamie, o kaijöt ö;
& send+PERF E+ANIMP+MED CONS CAUS+RED+two+ANIM & say E+MED 3S.DEP hear 2P.IND 3S.DEP hear 1S.OBJ
and he then sent them out in twos and said: the one who listens to you, listens to me
NuwNT41:1

25.9 Reduplicated Form of the Distributive Numeral modified by suffixes.

793.
atsin inimaget imin ñan etsimor memak… wo nan karakarumenedan
from+3S.POS among+3S.POS AB+thing E+P+ 3S.DEP+live all 2S.DEP UNR CAUS+RED+two+ANIM+DIR1+DIR8
eara Ge 6:19
from among all living things...you must (take) two each out from among them

794.
atsin eat imin gõgõrõ memak ñan edereder, wo nim quaquaeiudan eara,
from+3S.POS on+3S.POS AB+thing run+RED all E+P+ 3S.DEP+clean 2S.DEP MOD CAUS+RED+seven+DIR10 on+3P.DEP
eman me ãn Ge 7:2
AB+male & female
from all the animals that are clean, you should (take) out from among them seven each, male and female

795.
atsin eat imin gõgõrõ ñan eõ edereder, wo nim karakarumenedan
from+3S.POS on+3S.POS AB+thing run+RED E+P+ NEG 3S.DEP+clean 2S.DEP MOD CAUS+RED+two+ANIM+DIR1+DIR8
eara, eman me ãn Ge 7:2
on+3P.POS AB+male & female
from the unclean animals you should (take) two each out of them, male and female]

796.
me quaquaeiudan eat imin õeta n ijõñin ianweron,
& CAUS+RED+seven+DIR10 on+3S.POS AB+thing jump CONS below+3S.POS heaven
eman me ãn Ge 7:3
AB+male & female
and (take)out from among flying creatures below the heavens seven each, male and female

797.
e barũ katakatonedan eat imin gõgõrõ Ge 8:20
3S.DEP take CAUS+RED+one+DIR1+DIR8 on+3S.POS AB+thing run+RED
he took one each out from among the animals

798.
amwam õijõt[21] eñame katakatonedan eat[27] arõeni n aũra bagadugu memak
2P.DEP+MOD send AB+person CAUS+RED+one+DIR1+DIR8 on+3S.POS tribe CONS GPOS+3P.POS ancestor all
send out one person each out of the tribes of all their forefathers
Nu 13:2

799.
amwam emwit[39] temoniba katakatonedan eat[27] arõeni memak Nu 34:18
2P.DEP+MOD call lord CAUS+RED+one+DIR1+DIR8 on+3S.POS tribe all
call one chieftain each out of all the tribes

800.
A emwin waea ma arumet eñame atsin inimagemiã, katakatonedan
1S.DEP call ten & two+ANIM AB+person from+3S.POS among+2P.POS CAUS+RED+one+DIR1+DIR8
eat[27] arõeni memak Deu 1:23
on+3S.POS tribe all
I call for twelve men from among you, one each from all the tribes

801.
ongowet[21] engame memag memag, bwe enim eare egora, ro gadagatotow[71]
3S.DEP+go+PERF AB+person all all for 3S.DEP+MOD write name+3P.POS 3P.DEP CAUS+RED+one+DIR
a wongara dagawa Lu 2:3 1976
to RPOS+3P.POS town
all the people then went, in order that their names be written, they (went) one each to their towns

802.
ro redon me ro gadagatotowen[71] ian aura oag John 7:53 1976
3P.DEP return+PERF & 3P.DEP CAUS+RED+one+DIR+PERF in+3S.POS GPOS+3P.POS house
they then returned and then (went) one each to their houses

803.
mwa nan biritagag eow eat[21] eb me mwa nan gadagatotow[71] ina engomie
2p UNR scatter DIR on+3S.POS land & 2P.DEP UNR CAUS+RED+one+DIR there place+2P.POS
you will scatter through the land and you will (go) each one there to your place
John 16:32 1976

804.
aworin aiyima [sic; aiyimo] iraeeo me okwamwa irer ngana gatagatonedan
NP+CL35[23] five strike+1sGER & 3s+CAUS+forty strike E+MEDP CAUS+RED+one+DIR1+DIR8
ean o aikwen 2Co11:24 1976
on+3s FV one
five times my being struck (with) forty strokes each, those ones that out of each one by one
[five times my being struck with forty strokes less one]

805.
ngea amea Abraham okwitakwitaiya a [sic] bet kwitait[21] imin memag
E+MED male+MED Abraham FAC+CAUS+RED+ten+APPL+to also CAUS+ten+CONS AB+thing all
amea Heb 7:2 1976
male+MED
this Abraham made ten each for him, also ten each of all things
[Abraham gave him a tenth of all things]

806.
katakatabuidan NuwNT 54:4
CAUS+RED+one.hundred+DIR10
one hundred each out of...

807.
katakatotow[71] aüt[39] tübüra NuwNT 82:3
CAUS+RED+one+DIR on head+3P.POS
one each atop their heads

25.10. Compound Distributive Numerals

The Compound Distributive Numeral according to Kayser (NG77) is composed of Distributive Numerals in all components of the compound, i.e.:

808.
quaduma me quado NG77
each ninety-nine

809.
quaujuer me quaṅoma me katiju NG77
each eight hundred and sixty three

810.
quaquaujuer me quaṅoma me katiju NG77
each eight hundred and sixty three

811.
oquita emainibe araquit erra memak mõ õkaton mõ õkatemae emainibe
3S.DEP+CAUS+ten AB+cubit long+CONS AB+plank all & 3S.DEP+CAUS+one & 3S.DEP+CAUS+one+CL21[4] AB+cubit
reabit erra memak Ex 36:21
wide+CONS AB+board all
ten cubits each the length of all the boards and a cubit and a half each the breadth of all the boards

812.
õkatubu mo[15] quanimo schekel roit[21] iwũr memak,
3S.DEP+CAUS+one.hundred & 3.S.DEP+CAUS+thirty shekel weight+CONS AB+vessel all
mo[15] quaemo roit dõmaugu memak Nu 7:85
& 3S.DEP+CAUS+seventy weight+CONS bowl all
one hundred and thirty shekels each the weight of all the containers and seventy each the weight of all the bowls

813.
ama memak ama nan quaraña mo katubui aw schekel in silber Judg 16:5
1PINC.IND all 1P.INC=DEP UNR CAUS+1000 & CAUS+one.hundred+FV to+2S.OBJ shekel CONS silver
we all, we will (give) to you one thousand one hundred each, silver shekels
we all will (give) to you, eleven hundred silver shekels

814.
mõ õkaton mõ õkatemae emainibe reabũra Ez 40:42
& 3S.DEP+CAUS+one & 3S.DEP+CAUS+CL21[4] AB+cubit broad+3P.POS
and a cubit and a half each their breadth

This pattern is not always followed:

815.
quinarama ma aeoq erañan rat epo memak 1Ch 27:1
CAUS+twenty & four NP+1000 branch+3s together all
twenty four thousand each (for) all members of the congregation

815a.
me meta ean kwita me aikwen it[21] aua Matt 20:6 1 9 7 6
& go.out on+3S.POS CAUS+ten & one CONS AB+hour
and on the eleventh hour he came out

25.11. Formation of the Classificatory Distributive Numeral Particle.

The formation of the Classificatory Distributive Numeral Particle closely follows that of the Classificatory Numeral Particle (Section 14.3.1.):

As with the distributive numeral set, the Causative Prefix '*ka-*' has undergone a morphological change to '*kat-*' (See Section 25.2. and 25.3).

Table 38. Classificatory Distributive Numeral Particle (after Kayser NG163,164).

1 [16] ae [ajæ]	kateaen
2 [17] baṅo [bʌŋo]	katebaṅon
3 [8] bä [be]	katebän
4 [10] bög [bjəg]	katebögen
5 [11] büm[bɨm]	katebümin
6 [32] buere [bwere]	katebueren
7 [19/18]bueti/mueti [bweitsi~bwei3i/ mweitsi~mwei3i]	katebuetin/ katemuetin
8 [34] dume [duume]	katidumen
9 [20] ea [ejæ]	katean
10 [15] äb [eb]	kataäben
11 [7] eiji [e3i]	kateijin
12 [5] eo [ejo]	kateon
13 [12] gə [gʌ]	kategan
14 [24] gə̲ [gæ]	kategə̲n
15 [13] ime [ime]	katimen
16 [38] in [jiin]	katinin
17 [35] inä [iine]	katinän
18 [14] ire [ire]	katiren
19 [36] iw [iw]	katiwin
20 [21] kä [ke]	katekän
21 [4] ma [mjai]	katemaen
22 [25] magä [mʌge]	katemagän
23 [22] mari [mwʌrhi]	katemarin
24 [26] muö [mwə]	katemuön
25 [31]mueiji[mwei3i]	katemueijin
26 [27] ṅä [ŋe]	kateṅän
27 [6] oä [owe]	katoän
28 [37] pə̲ṅ [paŋ]	katapə̲ṅin
29 [30] powi [powi]	katepowin
30 [3] ra [rhæ]	kataran
31 [28] rä [rre]	katerän
32 [29] tete [rere]	kateteten
33 [9] wə̲ [wa]	katewə̲n
34 [33] wime [wiime]	katuwimen
35 [23] wöri [wʌri]	katuwörin
36 [39] wür [wɨr]	katuwürin

Where no fused forms existed, the Classificatory Distributive Numeral Particle followed by the General Cardinal Numeral would be employed. This was also employed in tandem with fused forms.

Examples:

816.
karan o aijimo - 5 each (CL30, objects presenting a flat surface such as mats) NG77
alongside the fused form karatijimo

817.
ma kamaen o aijimo - you distribute 5 objects each (CL21, long rigid objects such as rods) NG77
alongside the fused form katamaetijimo

818.
bwe wo togi ean aworin aemwo am kaworin aeiu Matt 18:22
for 2S.DEP end on+3S.POS NP+CL35[23] seventy GPOS+2S.POS CAUS+NP+CL35[23] seven
but you complete by it (i.e. you multiply it by) seventy times your seven times each

Kayser notes in Nauru Grammar (page 77) regarding the distributive classificatory numerals:

"The Distributive Numerals from 5 upwards are not much used.

Forms such as: karan o aijimeo, five mats (each); karata, ten (mats each);
kaeota, ten canoes each etc. while being linguistically correct, have with them a touch of strain. To get over this difficulty, the [Nauruan] makes use of paraphrases, e.g.

for correct form: ma [sic; mwa] karata itüber, each one (brings) ten mats
daily use: ṅea arata o arata

for correct form: ma [sic; mwa] kamen o aijimeo, each one (brings) five sticks
daily use:ṅea amaen aijimeo o aijimeo."

25.12. Classificatory Distributive Numeral Low Numerals.

Like the classificatory cardinal numeral, the low numbers 1 – 4 are fused forms.

The Causative/Distributive Prefix is the modified form 'kat-' with numerals 1, 3 and 4:

kat- + classifier + numeral

Table 39: Classificatory Distributive Numerals Low Numerals.

CL	Form	N U M B E R			
		1	2	3	4
1[16]	1	katae	karuae	katɪjae	katae
	2	katakatae	karakaruae	katakatɪjae	katakatae
	3				
	4	quatae	quaruae	quatɪjae	quaa e quata e
	5	quataquatae	quaraquaruae	quataquatɪjae	quaquae quataquatae
	6				
	7	watae			
	8	watawatae		watɪjae	watae
	9			watawatɪjae	watawatae
2[17]	1	katabaṅo	karubaṅo	katɪjbaṅo	katabaṅo
	2	katakatabaṅo	karakarubaṅo	katakatɪjibaṅo	katakatabaṅo
	3				
	4	quatabaṅo	quarubaṅo	quatɪjbaṅo	quabaṅo
	5	quaquabaṅo quataquatabaṅo	quaraquarubaṅo	quataquatɪjibaṅo	quaquabaṅo
	6				
	7	watabaṅo		watɪjibaṅo	
	8	watawatabaṅo		watawatɪjɪibaṅo	
	9				
3[8]	1	katebä	karabä	katɪjibä	katabä
	2	katakatebä	karakarabä	katakatɪjibä	katakatabä
	3				
	4	quatebä	quarabä	quatɪjibä	quabä
	5	quaquatebä quataquatebä	quaquarabä quaraquarabä	quaquatɪjibä quataquatɪjibä	quaquabä quataquabä quataquatabä
	6				
	7	watebä		watɪjibä	wataquabä
	8	watawatebä		watawatɪjibä	watawatabä
	9				
4[10]	1	katebög	karabög	katɪjibög	katabög
	2	katakatebög	karakarabög	katakatɪjibög	katakatabög
	3	katakatakatebög	karakarakarabög	katakatakatɪjibög	katakatakatabög
	4	quatebög/quatebök	quarabög/quarabök	quatɪjibög	quabög quatabö g
	5	quaquatebög quataquatebög	quaraquarabög	quaquatɪjibög quataquatɪjibög	quaquabög quataquabög
	6	quataquataquatebög	quaraquaraquarabög	quataquataquatɪjibög	quataquataquatabög
	7	watebög		watɪjibög	watabög
	8	watawatebög		watawatɪjibög	wataquabög
	9	watawatawatebög		watawatawatɪjibög	watawatawatabög
5[11]	1	katebüm	karabüm	katɪjbüm	kateabüm
	2	katakatebüm	karakarabüm	katakatɪjbüm	katakateabüm
	3	katakatakatebüm	karakarakarabüm	katakatakatɪjbüm	
	4	quatebüm	quarabüm	quatɪjbüm	quaeabüm
	5	quaquatebüm quataquatebüm	quaquarabüm quaraquarabüm	quataquatɪjibüm	quaquaeabüm quataquateab üm
	6	quaquaquatebüm quataquataquatebüm	quaquaquarabüm quaraquaraquarabüm	quaquaquatɪjibüm quataquataquatɪjibüm	quaquaquaeabüm
	7	watebüm		watɪjibüm	
	8	watawatebüm		watawatɪjɪbüm	watawateabüm
	9	watawatawatebüm		watawatawatɪjɪbüm	
6[32]	1	katebuer	karabuer	katɪjubuer	katabuer
	2	katakatebuer	karakarabuer	katakatɪjubuer	katakatabuer
	3				
	4	quaibueren	quarabuer	quaɪjubuer quatɪjubuer	quabuer
	5	quaquaibueren quataquaibuere quataquataibuer en	quaquarabuer quaraquarabuer quataquarabuer quataquatarabuer	quaquaɪjubuer quataquatɪjubuer	quaquabuer quataquabuer quataquatabu er
	6	quataquataquaibueren	quataquataquarabuer	quataquataquatɪjɪbuer	quataquataquabuer
	7	watebuer		watɪjubuer	
	8	watawataibueren	watawatarabuer	watawatɪjubuer	watawatabuer
	9				
7[18, 19]	1	katabuäij katamuäij	karabuäij karamuäij	katɪjubuäij katɪjumuäij	katabuäij katamuäij
	2	katakatabuäij katakatamuäij	karakarabuäij karakaramuäij	katakatɪjubuäij katakatɪjumuäij	katakatabuäij katakatamuäij
	3				
	4	quatamuäij	quaramuäij	quatɪjumuäij	quabuäij quamuäij
	5	quataquatabuäij quataquatamuäij	quaraquarabuäij quaraquaramuäij	quataquatɪjubuäij quataquatɪjumuäij	quaquabuäij quaquamuäij
	6				
	7	watamuäij		watɪjumuäij	
	8	watawatabuäij watawatamuäij		watawatɪjubuäij watawatɪjumuäij	
	9				
8[34]	1	katɪdum	karodum	katɪjɪdum	katadum
	2	katakatɪdum	karakarodum	katakatɪjɪdum	katakatadum
	3				
	4	quaidumen	quarodum	quaɪjɪdum	quadum
	5	quaquaidumen quataquaidume n	quaquarodum quaraquarodum quataquarodum	quaquaɪjidum quataquatɪjidum	quaquadum quataquadum
	6	quataquataquaidumen	quaraquaraquarodum	quataquataquatɪjɪdum	quataquataquadum

	7			watijidum	
	8	watawaidumen	watawarodum	watawatijidum	watawadum
	9				Watawatawadum
9[20]	1	kata	karua	katıja	kataea
	2	katakata	karakarua	katakatija	katakataea
	3				
	4	quaian	quarua	quaija	quaea
	5	quaquaian	quaraquarua	quaquaija quataquatija	quaquaea
	6				
	7				
	8			watawatija	
	9				

10[15]	1	katäb	karäb	katijäb	katäb
	2	katakatäb	karakaräb	katakatijäb	katakatäb
	3	katakatakatäb	karakarakaräb	katakatakatijäb	katakatakatäb
	4	quatäb	quaräb	quatijäb	quatäb
	5	quataquatäb	quaraquaräb	quataquatijäb	quataquatäb
	6	quataquataquatäb	quaraquaraquaräb	quataquataquatijäb	quataquataquatäb
	7	watäb		watijäb	watäb
	8	watawatäb		watawatijäb	watawatäb
	9	watawatawatäb		watawatawatijäb	watawatawatäb
11[7]	1	kateij	kareij	katijeij	kataeij
	2	katakateij	karakareij	katakatijeij	katakataeij
	3	katakatakateij	karakarakareij	katakatakatijeij	katakatakataeij
	4	quateij	quareij	quatijeij	quaeij
	5	quaquateij quataquateij	quaquareij quaraquareij	quaquatijei quataquatijeij	quaquaeij quataquataeij
	6	quataquataquateij	quaraquaraquareij	quataquataquatijeij	quataquataquataeij
	7	wateij		watijeij	
	8	watawateij		watawatijeij	watawataeij
	9	watawatawateij		watawatawatijeij	watawatawataeij
12[5]	1	kata	kara	katija	kaea
	2	kakata katakata	kakarara karakara	kakatija katakatija	kakaea katakataea
	3	katakatakata	karakarakara	katakatakatija	katakatakataea
	4	quata	quara	quatija	quaea
	5	quaquata quataquata	quaquara quaraquara	quaquatija quataquatija	quaquaea quataquataea
	6	quataquataquata	quaraquaraquara	quataquataquatija	quataquataquataea
	7	wata		watija	wataea
	8	watawata		watawatija	watawataea
	9	watawatawata		watawatawatija	watawatawataea
13[12]	1	kataga	karuga	katijga	kataga
	2	katakataga	karakaruga	katakatijga	katakataga
	3				
	4	quataga	quaruga	quatijga	quaga
	5	quataquataga	quaquaruga quaraquaruga	quaquatijga quataquatijga	quaquaga quataquataga
	6				
	7	wataga		watijga	
	8	watawataga		watawatijga	watawataga
	9				
14[24]	1	kataga̱	karuga̱	katijga̱	kataga̱
	2	katakataga̱	karakaruga̱	katakatijga̱	katakataga̱
	3				
	4	quataga̱	quaruga̱	quatijga̱	quaga̱
	5	quataquataga̱	quaquaruga̱ quaraquaruga̱	quaquatijga̱ quataquatijga̱	quaquaga̱
	6				
	7	wataga̱		watijga̱	
	8	watawataga̱		watawatijga̱	watawataga̱
	9				
15[13]	1	katim kaimen	karim	katijim	katam
	2	kaekaimen katakatim	karakarim	katakatijim	katakatam
	3				
	4	quatim quaimen	quarim	quaijim quatijim	quam
	5	quaquatim quataquatim	quaquarim quaraquarim	quaquaijim quataquatijim	quaquam quataquatam
	6				
	7	watim		watijim	
	8	watawatim		watawatijim	watawatam
	9				
16[38]	1	katin	karin	katijin	katan
	2	katakatin	karakarin	katakatijin	katakatan
	3	katakatakatin	karakarakarin	katakatakatijin	katakatakatan
	4	quatin	quarin	quatijin	quan
	5	quaquatin quataquatin	quaquarin quaraquarin	quaquatijin quawatijin quataquatijin	quaquan quataquan
	6	quataquataquatin	quaraquaraquarin	quataquataquatijin	quataquataquan
	7	watin		watijin	
	8	watawatin		watawatijin	wataquan
	9	watawatawatin		watawatawatijin	watawataquan
17[35]	1	katine/katinä watinä watawatinä watawainän	karine/karinä watawarinä	katijine/katijinä quaquaijinä watawatijinä watawaijinä	katane/katanä quaquanä watawanä watawatanä
	2	katakatinä	karakarinä	katakatijinä	katakatanä
	3				
	4				
	5	quainän	quarinä	quaijinä	quanä
	6	quataquainän	quataquarinä quaraquarinä	quataquatijinä quataquaijinä	quataquanä
	7	quaquainän	quaquarinä		
	8				
	9				
18[14]	1	katir	karure	katijir	katar
	2	katakatir	karakarure	katakatijir	katakatar
	3				
	4	quatir	quarure	quatijir	quar quatar
	5	quaquatir quataquatir	quaraquarure	quaquatijir quataquatijir	quaquar quataquatar
	6	quataquataquatir		quataquataquatijir	quataquataquatar
	7				
	8	watawatir		watawatijir	watawatar
	9	watawatawatir		watawatawatijir	watawatawatar
19[36]	1	katiw	kariw	katijiw	kataw
	2	katakatiw	karakariw	katakatijiw	katakataw
	3				
	4				
	5	quaiwin	quariw	quaijiw	quaw

	6	quataquatiw	quaraquariw	quataquatijiw	quataquataw
	7	quaquaiwin	quaquariw	quaquaijiw	quaquaw
	8				
	9	watawatiw		watawatijiw	watawataw
20[21]	1	katakä	karukä	katijikä	katakä
	2	katakatakä	karakarukä	katakatijikä	katakatakä
	3				
	4	quatakä	quarukä	quatijikä	quatakä
	5	quataquatakä	quaraquarukä	quataquatijikä	quataquatakä
	6				
	7	watakä		watijikä	watakä
	8	watawatakä			watawatakä
	9			watawatawatijikä	
21[4]	1	katemae	karumae	katijimae	katamae
	2	katakatemae	karakarumae	katakatijimae	katakatamae
	3	katakatakatemae	karakarakarumae	katakatakatijimae	katakatakatamae
	4	quatemae	quarumae	quatijimae	quamae
	5	quaquatemae quataquatemae	quaquarumae quaraquarumae	quaquatijimae quataquatijimae	quaquamae quataquatamae
	6	quataquataquatemae	quaraquaraquarumae	quataquataquatijimae	quataquataquatamae
	7	watemae		watijimae	
	8	watawatemae		watawatijimae	watawatamae
	9	watawatawatemae		watawatawatijimae	watawatawatamae
22[25]	1	katemagä	karumagä	katijimagä	katamagä
	2	katakatemagä	karakarumagä	katakatijimagä	katakatamagä
	3				
	4	quatemagä	quarumagä	quatijimagä	quamagä
	5	quataquatemagä	quaraquarumagä	quaquatijimagä quataquatijimagä	quaquamagä quataquamagä
	6				quataquataquamagä
	7	watemagä		watijimagä	
	8	watawatemagä		watawatijimagä	
	9				watawatawamagä
23[22]	1	katamari	karumari	katijumari	katamari
	2	katakatamari	karakarumari	katakatijimari	katakatamari
	3				
	4	quatamari	quarumari	quatijumari	quamari
	5	quataquatamari	quaraquarumari	quataquatijimari	quaquamari quataquatamari
	6				
	7	watawatamari		watawatijimari	watawatamari
	8				
	9				
24[26]	1	katemuön	karam	katijom	katam
	2	katakatemuön	karakaram	katakatijom	katakatam
	3				
	4	quaimuön	quaram	quaijom	quam quatam
	5	quaquaimen quataquatemuön	quaraquaram	quaquaijom quaquatijom quataquatijom	quaquam quataquatam
	6				
	7				watam
	8	watawatemuön		watawatijom	watawatam
	9				
25[31]	1	katamueijin	karamueiji	katijumueiji	katamueiji
	2	katakatamueijin	karakarumueiji	katakatijumueiji	katakatamueiji
	3				
	4	quaimueijin quataimueijin	quarumueiji quataruмueiji	quaijumueiji quatijumueiji	quamueiji quatamueiji
	5	quaquaimueijin quataquaimueijin quataquatamueijin	quaquarumueiji quataquarumueiji quataquataruмueiji	quaquaijumueiji quataquatijumueiji	quaquamueiji quataquatamueiji
	6	quataquataquaimueijin	quataquataquarumueiji	quataquataquatijumueiji	quataquataquamueiji
	7	wataimueijin	watarumueiji	watijumueiji	watamueiji
	8	watawatamueijin	watawarumueiji watawatarumueiji	watawatijumueiji	watawatamueiji
	9				
26[27]	1	kataṅä	karuaṅä	katijaṅä	kataṅä
	2	katakataṅä	karakaruaṅä	katakatijaṅä	katakataṅä
	3				
	4	quaiṅän quataṅä	quaruaṅä	quaijaṅä quatijaṅä	quaṅä quataṅä
	5	quaquaruaṅä quataquataṅä	quaraquaruaṅä	quaquaijaṅä quataquatijaṅä	quaquaṅä quataquataṅä
	6				
	7	wataṅä		watijaṅä	wataṅä
	8	watawataṅä		watawatijaṅä	watawataṅä
	9				
27[6]	1	katoä	karuoä	katijoä	kataoä
	2	katakatoä	karakaruoä	katakatijoä	katakataoä
	3	katakatakatoä	karakarakaruoä	katakatakatijoä	katakatakataoä
	4	quatoä	quaruoä	quatijoä	quaoä
	5	quaquatoä quataquatoä	quaquaruoä quaraquaruoä	quaquatijoä quataquatijoä	quaquaoä quataquaoä
	6	quataquataquatoä	quaraquaraquaruoä	quataquataquatijoä	quataquataquaoä
	7	watoä		watijoä	
	8	watawatoä		watawatijoä	wataquaoä
	9	watawatawatoä		watawatawatijoä	watawataquaoä
28[37] pañ/pang /pa$_{\circ}$ **ṅ** [paŋ]	1	katapaṅ	karupaṅ	katijipaṅ	katapaṅ
	2	katakatapaṅ	karakarupaṅ	katakatijipaṅ	katakatapaṅ
	3				
	4	quaipaṅin quatapaṅ	quarupaṅ	quatijipaṅ quaijipaṅ	quatapaṅ quapaṅ
	5	quaquaipaṅ quataquatapaṅ	quaquarupaṅ quaraquarupaṅ	quaquaijipaṅ quataquatijipaṅ	quaquapaṅ quataquatapaṅ
	6				
	7	watapaṅ		watijipaṅ	watapaṅ
	8	watawatapaṅ		watawatijipaṅ	watawatapaṅ
	9				
	1	katapowi	karupowi	katijupowi	katapowi

29[30]	2	katakatapowi	karakarupowi	katakatijupow	katakatapowi
	3		karakarakarupowi	katakatakatijupow	
	4	quatapowi	quarupowi	quatijupowi	quapowi
	5	quataquatapowi	quaquarupowi quaraquarupowi	quaquatijupowi quataquatijupowi	quaquapowi quataquatapowi quataquapowi
	6		quaraquaraquarupowi	quataquataquatijupowi	
	7	watapowi		watijupowi	
	8	watawatapowi		watawatijupowi	watawapowi watawatapowi
	9			watawatawatijupowi	
30[3]	1	katara	karura	katijira	katara
	2	katakatara	karakarura	katakatijira	katakatara
	3				
	4	quatara	quarura	quatijira	quara
	5	quaquatara quataquatara	quaquarura quaraquarura	quaquatijira quataquatijira	quaquara quataquara
	6	quataquataquatara	quaraquaraquarura	quataquataquatijira	quataquataquara
	7	watara		watijira	
	8	watawatara		watawatijira	wataquar
	9	watawatawatara		watawatawatijira	watawataquara
31[28]	1	katarä	kararä	katijirä	katarä
	2	katakatarä	karakararä	katakatijirä	katakatarä
	3				
	4	quairän quatarä	quararä	quaijirä quatijirä	quarä quatarä
	5	quaquairän quataquatarä	quaraquararä	quaquaijirä quataquatijirä	quaquarä
	6				quataquataquarä
	7	watarä		watijirä	watarä
	8	watawatarä		watawatijirä	
	9				watawataquarä
32[29]	1	[eteten o eteten]	karueteta	katijeteta	kateta
	2	katakateten	karakarueteta	katakatijeteta	katakateta katakatateta
	3				
	4		quarueteta	quatijeteta	quateta quataquateta
	5	quataquateten	quaquarueteta quaraquarueteta	quaquatijeteta quataquatijeteta	quaquateta quataquatateta
	6				
	7			watijteta	wateta
	8	watawateten		watawatijeteta	watawateta watawatateta
	9				
33[9]	1	katewa	karuwa	katijiwa	katawa
	2	katakatewa	karakaruwa	katakatijiwa	
	3				
	4	quatewa	quaruwa	quatijiwa	quawa quatawa
	5	quaquawata quataquatewa	quaquaruwa quaraquaruwa	quaquatijiwa quataquatijiwa	quaquawa quataquawa
	6	quaquaquatewa	quaraquaraquaruwa	quaquaquatijiwa	quaquaquawa
	7	watewa		watijwa	watawa
	8	watawatewa		watawatijiwa	wataquawa
	9				
34[33]	1	katuwim	karowim	katijuwim	katawim
	2	katakatuwim	katakarowim	katakatijuwim	katakatawim
	3				
	4	quawim quatuwim	quarowim	quatijuwim	quatawim
	5	quaquawim quataquatuwim	quaquarowim quataquarowim	quaquatijuwim quataquatijuwim	quaquatawim quataquatawim
	6				
	7	wawim watuwim	warowim	watijuwim	watawim
	8	watawatuwim	watawarowim	watawatijuwim	watawatawim
	9				
35[23]	1	katuwöri	karuwöri	katijuwöri katiwöri	katawöri
	2	katakatuwöri	karakarawöri	katakatijuwöri	katakatawöri
	3				
	4	quatuwöri	quaruwöri	quatijuwöri	quawöri
	5	quataquatuwöri	quaraquaruwöri	quataquatijuwöri	quaquawöri
	6				
	7			watijuwöri	
	8	watawatuwöri		watawatijuwöri	
	9				
36[39]	1	katuwür	karowür	katijuwür	katawür
	2	katakatuwür	karakarowür	katakatijuwür	katakatawür
	3				
	4	quatuwür quaiwürin	quarowür	quaijuwür quatijuwür	quawür quatawür
	5	quaquaiwürin quataquatiwür	quaquarowür	quaquaijuwür quataquatijuwür	quaquawür
	6				
	7	watuwür		watijuwür	watawür
	8	watawatuwür		watawatijuwür	wataquawür
	9				

25.13. Classificatory Distributive Numerals High Numerals.

Apart from the fused forms used for the low numbers (1 – 4), the classificatory distributive numerals are formed in a similar fashion to the the cardinal numerals, i.e.
by adding the Causative/Distributive prefix to a classificatory numeral particle. The prefix is the modified form 'kat-' :

kat + classificatory numeral particle + numeral

Table 40: Classificatory Distributive Numerals High Numerals – fused forms.

Classifier ↓	form↓	Numeral →				
		5	10	20	30	50
	1	kaetijimo kataetijimo	kaeta kataeta	kaeruma kataeruma	kaetimo kataetimo	kaetima kataetima
	2	katakaetijimo katakataetijimo	katakaeta katakataeta	katakaeruma katakataeruma	katakaetimo katakataetimo	katakaetima katakataetima
	3					
	4	quaetijimo quataetijimo	quaeta quataeta	quaeruma quataeruma	quaetimo quataetimo	quaetima quataetima
	5	quaquaetijimo quataquataetijimo	quaquaeta quataquatate	quaquaeruma quataquataeruma	quaquaetimo quataquataetimo	quaquaetima quataquataetima
	6					
	7	wataetijimo	wataeta	wataeruma	wataetimo	wataetima
	8	watawaetijimo watawataetijimo	watawaeta watawataeta	watawaeruma watawataeruma	watawatimo watawataetimo	watawaetima watawataetima
	9					
		90	100	200	300	500
1 [16] ae [aːæ]	1	kaeduma kataeduma	kaetebu kataetebu	kaerobu kataerobu	kaetijibu kataetijibu	kaetijimouer/ kaetimouer kataetijimouer/ kataetimouer
	2	katakaeduma katakataeduma	katakaetebu katakataeruma	katakaerobu katakataerobu	katakaetijibu katakataetijibu	katakaetijimouer/ katakaetimouer katakataetijimouer/ katakataetimouer
	3					
	4	quaeduma quataeduma	quaetebu quataetebu	quaerobu quataerobu	quaetijibu quataetijibu	quaquaetijimouer/ quaquaetimouer quataquataetijimouer/ quataquataetimouer
	5	quaquaeduma quataquataeduma	quaquaetebu quataquataetebu	quaquaerobu quataquataerobu	quaquaetijibu quataquataetijibu	quaetijimouer/ quaetimouer quataetijimouer/ quataetimouer
	6					
	7	wataeduma	wataetebu	wataerobu	wataetijibu	wataetijimouer/ wataetimouer
	8	watawaeduma watawataeduma	watawaetebu watawataetebu	watawaerobu watawataerobu	watawaetijibu watawataetijibu	watawaetijimouer/ watawaetimouer watawataetijimouer/ watawataetimouer
	9					

Classifier ↓	form↓	Numeral →				
		5	10	20	30	50
	1	kaba.ṅotijimo kataba.ṅotijimo	kaba.ṅota kataba.ṅota	kaba.ṅoruma kataba.ṅoruma	kaba.ṅotimo kataba.ṅotimo	kaba.ṅotima kataba.ṅotima
	2	katakataba.ṅotijimo	katakataba.ṅota	katakataba.ṅoruma	katakataba.ṅotimo	katakataba.ṅotima
	3					
	4	quaba.ṅotijimo quataba.ṅotijimo	quaba.ṅota quataba.ṅota	quaba.ṅoruma quataba.ṅoruma	quaba.ṅotimo quataba.ṅotimo	quaba.ṅotima quataba.ṅotima
	5	quaquaba.ṅotijimo quataquataba.ṅotijimo	quaquaba.ṅota quataquataba.ṅota	quaquaba.ṅoruma quataquataba.ṅoruma	quaquabaṅotimo quataquataba.ṅotimo	quaquabaṅotima quataquataba.ṅotima
	6					
	7	wataba.ṅotijimo	wataba.ṅota	wataba.ṅoruma	wataba.ṅotimo	wataba.ṅotima
	8	watawataba.ṅotijimo	watawataba.ṅota	watawataba.ṅoruma	watawataba.ṅotimo	watawataba.ṅotima
	9					
		90	100	200	300	500
2 [17] baño/bango/ba.ṅo [bʌŋo]	1	kaba.ṅoduma kataba.ṅoduma	kaba.ṅotebu kataba.ṅotebu	kaba.ṅorobu kataba.ṅorobu	kaba.ṅotijibu kataba.ṅotijibu	kaba.ṅotijimouer/ kaba.ṅotimouer kataba.ṅotijimouer/ kataba.ṅotimouer
	2	katakataba.ṅoduma	katakataba.ṅotebu	katakataba.ṅorobu	katakataba.ṅotijibu	katakataba.ṅotijimouer/ katakataba.ṅotimouer
	3					
	4	quaba.ṅoduma quataba.ṅoduma	quaba.ṅotebu quataba.ṅotebu	quaba.ṅorobu quataba.ṅorobu	quaba.ṅotijibu quataba.ṅotijibu	quaba.ṅotijimouer/ quaba.ṅotimouer quataba.ṅotijimouer/ quataba.ṅotimouer
		quaquaba.ṅoduma	quaquaba.ṅotebu	quaquaba.ṅorobu	quaquaba.ṅotijibu	quaquaba.ṅotijimouer/

	5	quataquataba ṅoduma	quataquataba ṅotebu	quataquataba ṅorobu	quataquataba ṅotijibu	quaquaba ṅotimouer quataquataba ṅotijimouer/ quataquataba ṅotimouer
	6					
	7	wataba ṅoduma	wataba ṅotebu	wataba ṅorobu	wataba ṅotijibu	wataba ṅotijimouer/ wataba ṅotimouer/
	8	watawataba ṅoduma	watawataba ṅotebu	watawataba ṅorobu	watawataba ṅotijibu	watawataba ṅotijimouer/ wataba ṅotimouer
	9					

Classifier ↓	form↓	Numeral →				
		5	10	20	30	50
	1	kabätijimo katebätijimo	kabäta katebäta	kabäruma katebäruma	kabätimo katebätimo	kabätima katebätima
	2	katakatebätijimo	katakatebäta	katakatabäruma	katakatabätimo	katakatabätima
	3					
	4	quabätijimo quatabätijimo	quabäta quatabäta	quabäruma quatabäruma	quabätimo quatabätimo	quabätima quatabätima
	5	quaquabätijimo quataquatebätijimo	quaquabäta quataquatebäta	quaquabäruma quataquatabäruma	quaquabätimo quataquatabätimo	quaquabätima quataquatabätima
	6					
	7	wabätijimo watabätijimo	wabäta watabäta	wabäruma watabäruma	wabätimo watabätimo	wabätima watabätima
3 [8] be/bä [be] [coconut leaves]	8	watawatebätijimo	watawatebäta	watawatabäruma	watawatabätimo	watawatabätima
	9					
		90	100	200	300	500
	1	kabäduma katebäduma	kabätebu katebätebu	kabärobu katebärobu	kabätijibu katebätijibu	kabätimouer katebätimouer
	2	katakatabäduma	katakatabätebu	katakatabärobu	katakatabätijibu	katakatabätimouer
	3					
	4	quabäduma quatabäduma	quabätebu quatabätebu	quabärobu quatabärobu	quabätijibu quatebätijibu	quabätimouer quatebätimouer
	5	quaquabäduma quataquatabäduma	quaquabätebu quataquatabätebu	quaquabärobu quataquatabärobu	quaquabätijibu quataquatabätijibu	quaquabätimouer quataquatabätimouer
	6					
	7	wabäduma watabäduma	wabätebu watabätebu	wabärobu watabärobu	wabätijibu watebätijibu	wabätimouer watebätimouer
	8	watawatabäduma	watawatabätebu	watawatabärobu	watawatabätijibu	watawatabätimouer
	9					

Classifier	form↓	Numeral →				
		5	10	20	30	50
	1	kabögetijimo	kabögeta	kabögetruma	kabögetimo	kabögetima
	2	katakatabögetijimo	katakatabögeta	katakatabögeruma	katakatabögetimo	katakatabögetima
	3	katakatakabögetijimo	katakatakabögeta	katakatakabögeruma	katakatakabögetimo	katakatakabögetima
	4	quabögetijimo quatabögetijimo	quabögeta quatabögeta	quabögeruma quatabögeruma	quabögetimo quatabögetimo	quabögetima quatabögetima
	5	quaquabögetijimo quataquatabögetijimo	quaquabögeta quataquatabögeta	quaquabögeruma quataquatabögeruma	quaquabögetimo quataquatabögetimo	quaquabögetima quataquatabögetima
	6	quataquataquabögetijimo	quataquataquabögeta	quataquataquabögeruma	quataquataquabögetimo	quataquataquabögetima
4 [10]	7	watabögetijimo	watabögeta	watabögeruma	watabögetimo	watabögetima
	8	watawatabögetijimo	watawatabögeta	watawatabögeruma	watawatabögetimo	watawatabögetima
bök/boŋ/bög [bɨəŋ] [water bodies]	9	watawatawabögetijimo	watawatawabögeta	watawatawabögeruma	watawatawabögetimo	watawatawabögetima
		90	100	200	300	500
	1	kabögeduma	kabögetebu	kabögerobu	kabögetijibu	kabögetimouer
	2	katakatabögeduma	katakatabögetebu	katakatabögerobu	katakatabögetijibu	katakatabögetimouer
	3	katakatakabögeduma	katakatakabögetebu	katakatakabögerobu	katakatakabögetijibu	katakatakabögetimouer
	4	quabögeduma quatabögeduma	quabögetebu quatabögetebu	quabögerobu quatabögerobu	quabögetijibu quatabögetijibu	quabögetimouer quatabögetimouer
	5	quaquabögeduma quataquatabögeduma	quaquabögetebu quataquatabögetebu	quaquabögerobu quataquatabögerobu	quaquabögetijibu quataquatabögetijibu	quaquabögetimouer quataquatabögetimouer
	6	quataquataquabögeduma	quataquataquabögetebu	quataquataquabögerobu	quataquataquabögetijibu	quataquataquabögetimouer
	7	watabögeduma	watabögetebu	watabögerobu	watabögetijibu	watabögetimouer
	8	watawatabögeduma	watawatabögetebu	watawatabögerobu	watawatabögetijibu	watawatabögetimouer
	9	watawatawabögeduma	watawatawabögetebu	watawatawabögerobu	watawatawabögetijibu	watawatawabögetimouer

Classifier ↓	form↓	Numeral →				
		5	10	20	30	50
	1	kabümitijimo	kabümita	kabümiruma	kabümitimo	kabümitima
	2	katakabümitijimo	katakabümita	katakabümiruma	katakabümitimo	katakabümitima
	3	katakatakabümitijimo	katakatakabümita	katakatakabümiruma	katakatakabümitimo	katakatakabümitima
	4	quabümitijimo	quabümita	quabümiruma	quabümitimo	quabümitima
	5	quaquabümitijimo quataquabümitijimo	quaquabümita quataquabümita	quaquabümiruma quataquabümiruma	quaquabümitimo quataquabümitimo	quaquabümitima quataquabümitima
	6	quaquaquabümitijimo quataquataquabümitijimo	quaquaquabümita quataquataquabümita	quaquaquabümiruma quataquataquabümiruma	quaquaquabümitimo quataquataquabümitimo	quaquaquabümitima quataquataquabümitima
	7					
	8	watawabümitijimo	watawabümita	watawabümiruma	watawabümitimo	watawabümitima
	9	watawatawabümitijimo	watawatawabümita	watawatawabümiruma	watawatawabümitimo	watawatawabümitima
		90	100	200	300	500
	1	kabümiduma	kabümitebu	kabümirobu	kabümitijibu	kabümitijimouer/ kabümitimouer
5 [11] büm/bum/büm [bɨm] [days]	2	katakabümiduma	katakabümitebu	katakabümirobu	katakabümitijibu	katakabümitijimouer/ katakabümitimouer/
	3	katakatakabümiduma	katakatakabümitebu	katakatakabümirobu	katakatakabümitijibu	katakatakabümitijimouer/ katakatakabümitimouer
	4	quabümiduma	quabümitebu	quabümirobu	quabümitijibu	quabümitijimouer/ quabümitimouer
	5	quaquabümiduma quataquabümiduma	quaquabümitebu quataquabümitebu	quaquabümirobu quataquabümirobu	quaquabümi quataquabümitijibu	quaquabümitijimouer/ quaquabümitimouer quataquabümitijimouer/ quaquabümitimouer
	6	quaquaquabümiduma quataquataquabümiduma	quaquaquabümitebu quataquataquabümitebu	quaquaquabümirobu quataquataquabümirobu	quaquaquabümitijibu quataquataquabümitijibu	quaquaquabümitijimouer/ quaquaquabümitimouer quataquataquabümitijimouer/ quataquataquabümitimouer
	7					
	8	watawabümiduma	watawabümitebu	watawabümirobu	watawabümitijibu	watawabümitijimouer
	9	watawatawabümiduma	watawatawabümitebu	watawatawabümirobu	watawatawabümitijibu	watawatawabümitijimouer/ watawatawabümitimouer

Classifier ↓	form↓	Numeral →				
		5	10	20	30	50
	1	kabuereti jimo katabuereti jimo	kabuereta katabuereta	kabuereruma katabuereruma	kabuereti mo katabuereti mo	kabuereti ma katabuereti ma
	2	katakabuereti jimo katakatabuereti jimo	katakabuereta katakatabuereta	katakabuereruma katakatabuereruma	katakabuereti mo katakatabuereti mo	katakabuereti ma katakatabuereti ma
	3					
	4	quabuereti jimo	quabuereta	quabuereruma	quabuereti mo	quabuereti ma

		quatabuereti͡jimo	quatabuereta	quatabuereruma	quatabueretimo	quatabueretima
	5	quaquabuereti͡jimo quataquabuereti͡jimo quataquatabuereti͡jimo	quaquabuereta quataquabuereta quataquatabuereta	quaquabuereruma quataquabuereruma quataquatabuereruma	quaquabueretimo quataquabueretimo quataquatabueretimo	quaquabueretima quataquabueretima quataquatabueretima
	6	quataquataquabuereti͡jimo	quataquataquabuereta	quataquataquabuereruma	quataquataquabueretimo	quataquataquabueretima
	7	watabueretijimo	watabuereta	watabuereruma	watabueretimo	watabueretima
	8	watawatabuereti͡jimo	watawatabuereta	watawatabuereruma	watawatabueretimo	watawatabueretima
	9					
		90	100	200	300	500
	1	kabuereduma katabuereduma	kabueretebu katabueretebu	kabuererobu katabuererobu	kabueretijubu katabueretijubu	kabueretijimouer/ kabueretimouer katabueretijimouer/ katabueretimouer
6 [32] bwere/buere [bʷere] [basketful]	2	katakabuereduma katakatabuereduma	katakabueretebu katakatabueretebu	katakabuererobu katakatabuererobu	katakabueretijubu katakatabueretijubu	katakabueretijimouer/ katakabueretimouer katakatabueretijimouer/ katakatabueretimouer
	3					
	4	quabuereduma quatabuereduma	quabueretebu quatabueretebu	quabuererobu quatabuererobu	quabueretijubu quatabueretijubu	quabueretijimouer/ quabueretimouer quatabueretijimouer/ quatabueretimouer
	5	quaquabuereduma quataquabuereduma quataquatabuereduma	quaquabueretebu quataquabueretebu quataquatabueretebu	quaquabuererobu quataquabuererobu quataquatabuererobu	quaquabueretijubu quataquabueretijubu quataquatabueretijubu	quaquabueretijimouer/ quaquabueretimouer quataquabueretijimouer/ quataquabueretimouer quataquatabueretijimouer/ quataquatabueretimouer
	6	quataquataquabuereduma	quataquataquabueretebu	quataquataquabuererobu	quataquataquabueretijubu	quataquataquabueretijmouer/ quataquataquabueretimouer
	7	watabuereduma	watabueretebu	watabuererobu	watabueretijubu	watabueretijimouer/ watabueretimouer
	8	watawatabuereduma	watawatabueretebu	watawatabuererobu	watawatabueretijubu	watawatabueretijimouer/ watawatabueretimouer
	9					

Classifier ↓	form↓	Numeral →				
		5	10	20	30	50
	1	kabuätitjiimo kabuäijitijimo katabuätitijimo katabuäjitijimo kamuätitijimo kamuäjitjiimo katamuätitjiimo katamuäjitijimo	kabuätita kabuäijita katabuätita katabuäjita kamuätita kamuäjita katamuätita katamuäjita	kabuätiruma kabuäijiuma katabuätiuma katabuäjiuma kamuätiuma kamuäjiuma katamuätiuma katamuäjiuma	kabuätitimo kabuäjitimo katabuätitimo katabuäjitimo kamuätitimo kamuäjitimo katamuätitimo katamuäjitimo	kabuätitima kabuäjiima katabuätima katabuäjiima kamuätima kamuäjiima katamuätima katamuäjiima
	2	katakatabuätitijimo katakatabuäjitijimo katakatamuätitijimo katakatamuäjitjiimo	katakatabuäti katakatabuäjita katakatamuätita katakatamuäjita	katakatabuätiuma katakatabuäjiuma katakatamuätiuma katakatamuäjiuma	katakatabuätitimo katakatabuäjitimo katakatamuätitimo katakatamuäjitimo	katakatabuätiima katakatabuäjiima katakatamuätiima katakatamuäjiima
	3					
	4	quabuätitijimo quabuäijitijimo quatabuätitijimo quatabuäjitijimo quamuätitijimo quamuäjitjiimo quatamuätitijimo quatamuäjitijimo	quabuätita quabuäijita quatabuätita quatabuäjita quamuätita quamuäjita quatamuätita quatamuäjita	quabuätiuma quabuäijiuma quatabuätiuma quatabuäjiuma quamuätiuma quamuäjiuma quatamuätiuma quatamuäjiuma	quabuätitimo quabuäjitimo quatabuätitimo quatabuäjitimo quamuätitimo quamuäjitimo quatamuätitimo quatamuäjitimo	quabuätiima quabuäjiima quatabuätiima quatabuäjiima quamuätima quamuäjiima quatamuätiima quatamuäjiima
	5	quaquabuätitijimo quaquabuäijitijimo quataquatabuätitijimo quataquatabuäijitijimo quaquamuätitijimo quaquamuäjitijimo quataquatamuätitijimo quataquatamuäjitijimo	quaquabuätita quaquabuäijita quataquatabuätita quataquatabuäijita quaquamuätita quaquamuäijita quataquatamuätita quataquatamuäijita	quaquabuätiuma quaquabuäijiuma quataquatabuätiuma quataquatabuäijiuma quaquamuätiuma quaquamuäijiuma quataquatamuätiuma quataquatamuäijiuma	quaquabuätitimo quaquabuäijitimo quataquatabuätitimo quataquatabuäijitimo quaquamuätitimo quaquamuäjitimo quataquatamuätitimo quataquatamuäjitimo	quaquabuätiima quaquabuäijiima quataquatabuätiima quataquatabuäijiima quaquamuätiima quaquamuäjiima quataquatamuätiima quataquatamuäjiima
	6					
	7	watabuätitijimo watabuäijitijimo watamuätitijimo watamuäjitijimo	watabuätita watabuäijita watamuätita watamuäjita	watabuätiuma watabuäijiuma watamuätiuma watamuäjiuma	watabuäti watabuäiji watamuäti watamuäiji	watabuätiima watabuäijiima watamuätiima watamuäjiima
	8	watawatabuätitijimo watawatabuäijitijimo watawatamuätitijimo watawatamuäjitijimo	watawatabuätita watawatabuäijita watawatamuätita watawatamuäijita	watawatabuätiuma watawatabuäijiuma watawatamuätiuma watawatamuäjiuma	watawatabuäti watawatabuäiji watawatamuäti watawatamuäji	watawatabuätiima watawatabuäijiima watawatamuätiima watawatamuäjiima
	9					
		90	100	200	300	500
7 [19/18] bwetsi/bweti/buäti~ mwetsi/mweti/muäti [bweitˢi/mweitˢi [long flexible objects] buäiji~muäiji [bweʒi/mweiʒi] [slings]	1	kabuätiduma kabuäijiduma katabuätiduma katabuäjiduma kamuätiduma kamuäjiduma katamuätiduma katamuäjiduma	kabuätitebu kabuäijitebu katabuätitebu katabuäjitebu kamuätitebu kamuäjitebu katamuätitebu katamuäjitebu	kabuätirobu kabuäijirobu katabuätirobu katabuäjirobu kamuätirobu kamuäjirobu katamuätirobu katamuäjirobu	kabuätitijibu kabuäijitijibu katabuätitijibu katabuäjitijibu kamuätitijibu kamuäjitjibu katamuätitijibu katamuäjitjibu	kabuätitijimouer/ kabuätitimouer kabuäjitijimouer/ kabuäjitimouer katabuätitijimouer/ katabuätitimouer katabuäjitijimouer/ katabuäjitimouer kamuätitijimouer/ kamuätitimouer kamuäjitjimouer/ kamuäjitimouer katamuätitijimouer/ katamuätitimouer katamuäjitijimouer/ katamuäjitimouer
	2	katakatabuätiduma katakatabuäijiduma katakatamuätiduma katakatamuäjiduma	katakatabuätitebu katakatabuäjitebu katakatamuätitebu katakatamuäjitebu	katakatabuätirobu katakatabuäjirobu katakatamuätirobu katakatamuäjirobu	katakatabuätitijibu katakatabuäjitijibu katakatamuätitijibu katakatamuäjitjibu	katakatabuätitijimouer/ katakatabuätitimouer katakatabuäjitijimouer/ katakatabuäjitimouer katakatamuätitijimouer/ katakatamuätitimouer katakatamuäjitijimouer/ katakatamuäjitimouer
	3					

	4	quabuätiduma quabuäijiduma quatabuätiduma quatabuäijiduma quamuätiduma quamuäijiduma quatamuätiduma quatamuäijiduma	quabuätitebu quabuäijitebu quatabuätiebu quatabuäijiebu quamuätiebu quamuäijiebu quatamuätiebu quatamuäijiebu	quabuätirobu quabuäijirobu quatabuätirobu quatabuäijirobu quamuätirobu quamuäijirobu quatamuätirobu quatamuäijirobu	quabuätitijibu quabuäijitjibu quatabuätitijibu quatabuäijitjibu quamuätitijibu quamuäijitjibu quatamuätitijibu quatamuäijitjibu	quabuätitjimouer/ quabuätitimouer quabuäijitjimouer/ quabuäijitimouer quatabuätitjimouer/ quatabuätitimouer quatabuäijitjimouer/ quatabuäijitimouer quamuätitjimouer/ quamuätitimouer quamuäijitjimouer/ quamuäijitimouer quatamuätitjimouer/ quatamuätitimouer quatamuäijitjimouer quatamuäijitimouer
	5	quaquabuätiduma quaquabuäijiduma quataquatabuätiduma quataquatabuäijiduma quaquamuätiduma quaquamuäijiduma quataquatamuätiduma quataquatamuäijiduma	quaquabuätiebu quaquabuäijiebu quataquatabuätiebu quataquatabuäijiebu quaquamuätiebu quaquamuäijiebu quataquatamuätiebu quataquatamuäijiebu	quaquabuätirobu quaquabuäijirobu quataquatabuätirobu quataquatabuäijirobu quaquamuätirobu quaquamuäijirobu quataquatamuätirobu quataquatamuäijirobu	quaquabuätitjibu quaquabuäijitjibu quataquatabuätitjibu quataquatabuäijitjibu quaquamuätitjibu quaquamuäijitjibu quataquatamuätitjibu quataquatamuäijitjibu	quaquabuätitijmouer/ quaquabuätitimouer quaquabuäijitjimouer/ quaquabuäijitimouer quataquatabuätitijmouer/ quataquatabuätitimouer quataquatabuäijitjimouer/ quataquatabuäijitimouer quaquamuätitijmouer/ quaquamuätitimouer quaquamuäijitjimouer/ quaquamuäijitimouer quataquatamuätitijmouer/ quataquatamuätitimouer quataquatamuäijitjimouer/ quataquatamuäijitimouer
	6					
	7	watabuätiduma watabuäijiduma watamuätiduma watamuäijiduma	watabuätiebu watabuäijiebu watamuätiebu watamuäijiebu	watabuätirobu watabuäijirobu watamuätirobu watamuäijirobu	watabuätitijibu watabuäijitjibu watamuätitijibu watamuäijitjibu	watabuätitjimouer/ watabuätitimouer watabuäijitjimouer/ watabuäijitimouer watamuätitjimouer/ watamuätitimouer watamuäijitjimouer watamuäijitimouer
	8	watawatabuätiduma watawatabuäijiduma watawatamuätiduma watawatamuäijiduma	watawatabuätiebu watawatabuäijiebu watawatamuätiebu watawatamuäijitebu	watawatabuätirobu watawatabuäijirobu watawatamuätirobu watawatamuäijirobu	watawatabuätitijibu watawatabuäijitjibu watawatamuätitjibu watawatamuäijitjibu	watawatabuätitjimouer/ watawatabuätitimouer watawatabuäijitjimouer/ watawatabuäijitimouer watawatamuätitjimouer/ watawatamuätitimouer watawatamuäijitjimouer watawatamuäijitimouer
	9					

Classifier↓	form↓	Numeral →				
8 [34] dume [duume]		5	10	20	30	50
	1	kadumetijimo katadumetijimo	kadumeta katadumeta	kadumeruma katadumeruma	kadumetimotimo katadumetimo	kadumetima katadumetima
	2	katakadumetijimo katakatadumetijimo	katakadumeta katakatadumeta	katakadumeruma katakatadumeruma	katakadumetimo katakatadumetimo	katakadumetima katakatadumetima
	3	katakatakadumetijimo	katakatakadumeta	katakatakadumeruma	katakatakadumetimo	katakatakadumetima
	4	quadumetijimo quatadumetijimo	quadumeta quatadumeta	quadumeruma quatadumeruma	quadumetimo quatadumetimo	quadumetima quatadumetima
	5	quaquadumetijimo quataquadumetijimo quataquatadumetijimo	quaquadumeta quataquadumeta quataquatadumeta	quaquadumeruma quataquadumeruma quataquatadumeruma	quaquadumetimo quataquadumetimo quataquatadumetimo	quaquadumetima quataquadumetima quataquatadumetima
	6	quataquataquadumetijimo	quataquataquadumeta	quataquataquadumeruma	quataquataquadumetimo	quataquataquadumetima
	7	watadumetijimo	watadumeta	watadumeruma	watadumetimo	watadumetima
	8	watawadumetijimo watawatadumetijimo	watawadumeta watawatadumeta	watawadumeruma watawatadumeruma	watawadumetimo watawatadumetimo	watawadumetima watawatadumetima
	9	watawatawadumetijimo	watawatawadumeta	watawatawadumeruma	watawatawadumetimo	watawatawadumetima
		90	100	200	300	500
	1	kadumeduma katadumeduma	kadumetebu katadumetebu	kadumerobu katadumerobu	kadumetijubu katadumetijubu	kadumetijimouer/ kadumetimouer katadumetijimouer/ katadumetimouer
	2	katakadumeduma katakatadumeduma	katakadumetebu katakatadumetebu	katakadumerobu katakatadumerobu	katakadumetijubu katakatadumetijubu	katakadumetijimouer/ katakadumetimouer katakatadumetijimouer/ katakatadumetimouer
	3	katakatakadumeduma	katakatakadumetebu	katakatakadumerobu	katakatakadumetijubu	katakatakadumetijimouer/ katakatakadumetijimouer
	4	quadumeduma quatadumeduma	quadumetebu quatadumetebu	quadumerobu quatadumerobu	quadumetijubu quatadumetijubu	quadumetijimouer/ quadumetimouer quatadumetijimouer/ quatadumetimouer
	5	quaquadumeduma quataquadumeduma quataquatadumeduma	quaquadumetebu quataquadumetebu quataquatadumetebu	quaquadumerobu quataquadumerobu quataquatadumerobu	quaquadumetijubu quataquadumetijubu quataquatadumetijubu	quaquadumetijimouer/ quaquadumetimouer quataquadumetijimouer/ quataquadumetimouer quataquatadumetijimouer/ quataquatadumetimouer
	6	quataquataquadumeduma	quataquataquadumetebu	quataquataquadumerobu	quataquataquadumetijubu	quataquataquadumetijimouer/ quataquataquadumetimouer
	7	watadumeduma	watadumetebu	watadumerobu	watadumetijubu	watadumetijimouer/ watadumetimouer
	8	watawadumeduma watawatadumeduma	watawadumetebu watawatadumetebu	watawadumerobu watawatadumerobu	watawadumetijubu watawatadumetijubu	watawadumetijimouer/ watawadumetimouer watawatadumetijimouer/ watawatadumetimouer
	9	watawatawadumeduma	watawatawadumetebu	watawatawadumerobu	watawatawadumetijubu	watawatawadumetijimouer/ watawatawadumetimouer

Classifier↓	form↓	Numeral →				
		5	10	20	30	50
	1	kaeatijimo kateatijimo	kaeata kateata	kaearuma katearuma	kaeatimo kateatimo	kaeatima kateatima
	2	kaeakaeatijimo katakaeatijimo	kaeakaeata katakaeata	kaeakaearuma katakaearuma	kaeakaeatimo katakaeatimo	kaeakaeatima katakaeatima
	3					
	4	quaeatijimo quateatijimo	quaeata quateata	quaearuma quatearuma	quaeatimo quateatimo	quaeatima quateatima
	5	quaquaeatijimo quataquatetijimo	quaquaeata quataquateata	quaquaearuma quataquateruma	quaquaeatimo quataquatetimo	quaquaeatima quataquatetima
	6					

9 [20] ea [eːæ]	7	wateatijimo	wateata	watearuma	wateatimo	wateatima
	8	watawateatijimo	watawateata	watawatearuma	watawateatimo	watawateatima
	9					
		90	100	200	300	500
	1	kaeaduma kateaduma	kaeatebu kateatebu	kaearobu katearobu	kaeatijibu kateatijibu	kaeatijimouer/ kaeatimouer kateatijimouer/ kateatimouer
	2	kaeakaeaduma katakaeaduma	kaeakaeatebu katakaeatebu	kaeakaearobu katakaearobu	kaeakaeatijibu katakaeatijibu	kaeakaeatijimouer/ kaeakaeatimouer katakaeatijimouer/ katakaeatimouer
	3					
	4	quaeaduma quateaduma	quaeatebu quateatebu	quaearobu quatearobu	quaeatijibu quateatijibu	quaeatijimouer/ quaeatimouer quateatijimouer/ quateatimouer
	5	quaquaeaduma quataquateduma	quaquaeatebu quataquatetebu	quaquaearobu quataquaterobu	quaquaeatijibu quataquatetijibu	quaquaeatijimouer/ quaquaeatimouer quataquatetijimouer/ quataquatetimouer
	6					
	7	wateaduma	wateatebu	watearobu	wateatijibu	wateatijimouer/ wateatimouer
	8	watawateaduma	watawateatebu	watawatearobu	watawateatijibu	watawateatijimouer/ watawateatimouer
	9					

Classifier ↓	form↓	Numeral →				
10 [15] eb/äb [eb]		5	10	20	30	50
	1	kaäbetijimotijimo kataäbetijimo	kaäbeta kataäbeta	kaäberumaruma kataäberuma	kaäbetimo kataäbetimo	kaäbetima kataäbetima
	2	katakataäbetijimo	katakataäbeta	katakataäberuma	katakataäbetimo	katakataäbetima
	3	katakatakataäbetijimo	katakatakataäbeta	katakatakataäberuma	katakatakataäbetimo	katakatakataäbetima
	4	quaäbetijimo	quaäbeta	quaäberuma	quaäbetimo	quaäbetima
	5	quaquaäbetijimo quataquataäbetijimo	quaquaäbeta quataquataäbeta	quaquaäberuma quataquataäberuma	quaquaäbetimo quataquataäbetimo	quaquaäbetima quataquataäbetima
	6	quaquaquaäbetijimo quataquataquaäbetijimo	quaquaquaäbeta quataquataquaäbeta	quaquaquaäberuma quataquataquaäberuma	quaquaquaäbetimo quataquataquaäbetimo	quaquaquaäbetima quataquataquaäbetima
	7	wataäbetijimo	wataäbeta	wataäberuma	wataäbetimo	wataäbetima
	8	watawataäbetijimo	watawataäbeta	watawataäberuma	watawataäbetimo	watawataäbetima
	9	watawatawaäbetijimo	watawatawaäbeta	watawatawaäberuma	watawatawaäbetimo	watawatawaäbetima
		90	100	200	300	500
	1	kaäbeduma kataäbeduma	kaäbetebu kataäbetebu	kaäberobu kataäberobu	kaäbetijibutijibu kataäbetijibu	kaäbetimouer kataäbetijimouer/ kataäbetimouer
	2	katakataäbeduma	katakataäbetebu	katakataäberobu	katakataäbetijibu	katakataäbetijimouer/ katakataäbe
	3	katakatakataäbeduma	katakatakataäbetebu	katakatakataäberobu	katakatakataäbetijibu	katakatakataäbetijimouer/ katakatakataäbetimouer
	4	quaäbeduma	quaäbetebu	quaäberobu	quaäbetijibu	quaäbetimouer
	5	quaquaäbeduma quataquataäbeduma	quaquaäbetebu quataquataäbetebu	quaquaäberobu quataquataäberobu	quaquaäbetijibu quataquataäbetijibu	quaquaäbetijimouer/ quaquaäbetimouer quataquataäbetijimouer/ quataquataäbetimouer
	6	quaquaquaäbeduma quataquataquaäbeduma	quaquaquaäbetebu quataquataquaäbetebu	quaquaquaäberobu quataquataquaäberobu	quaquaquaäbetijibu quataquataquaäbetijibu	quaquaquaäbetijimouer/ quaquaquaäbetimouer quataquataquaäbetijimouer/ quataquataquaäbetimouer
	7	wataäbeduma	wataäbetebu	wataäberobu	wataäbetijibu	wataäbetijimouer/ wataäbetimouer
	8	watawataäbeduma	watawataäbetebu	watawataäberobu	watawataäbetijibu	watawataäbetijimouer/ watawataäbetimouer
	9	watawatawaäbeduma	watawatawaäbetebu	watawatawaäberobu	watawatawaäbetijibu	watawatawaäbetijimouer/ watawatawaäbetimouer

Classifier ↓	form↓	Numeral →				
11 [7] eiji/eiyi [eʒi]]		5	10	20	30	50
	1	kateijitijimo	kateijita	kateijiruma	kateijitimo	kateijitimatima
	2	katakateijitijimo	katakateijita	katakateijiruma	katakateijitimo	katakateijitima
	3	katakatakateijitijimo	katakatakateijita	katakatakateijiruma	katakatakateijitimo	katakatakateijitima
	4	quaeijitijimo	quaeijita	quaeijiruma	quaeijitimo	quaeijitima
	5	quaquaeijitijimo quataquateijitijimo	quaquaeijita quataquateijita	quaquaeijiruma quataquateijiruma	quaquaeijitimo quataquateijitimo	quaquaeijitima quataquateijitima
	6	quataquataquateijitijimo	quataquataquateijita	quataquataquateijiruma	quataquataquateijitimo	quataquataquateijitima
	7					
	8	watawateijitijimo	watawateijita	watawateijiruma	watawateijitimo	watawateijitima
	9	watawatawateijitijimo	watawatawateijita	watawatawateijiruma	watawatawateijitimo	watawatawateijitima
		90	100	200	300	500
	1	kateijiduma	kateijitebu	kateijirobu	kateijitijibu	kateijitimouer
	2	katakateijiduma	katakateijitebu	katakateijirobu	katakateijitijibu	katakateijitimouer
	3	katakatakateijiduma	katakatakateijitebu	katakatakateijirobu	katakatakateijitijibu	katakatakateijitimouer
	4	quaeijiduma	quaeijitebu	quaeijirobu	quaeijitijibu	quaeijitimouer
	5	quaquaeijiduma quataquateijiduma	quaquaeijitebu quataquateijitebu	quaquaeijirobu quataquateijirobu	quaquaeijitijibu quataquateijitijibu	quaquaeijitimouer quataquateijitimouer
	6	quataquataquateijiduma	quataquataquateijitebu	quataquataquateijirobu	quataquataquateijitijibu	quataquataquateijitimouer
	7					
	8	watawateijiduma	watawateijitebu	watawateijirobu	watawateijitijibu	watawateijitimouer
	9	watawatawateijiduma	watawatawateijitebu	watawatawateijirobu	watawatawateijitijibu	Watawatawateijitimouer

Classifier ↓	form↓	Numeral →				
12 [5] eo [eːo		5	10	20	30	50
	1	kaeotijimo kateotijimo	kaeota kateota	kaeoruma kateoruma	kaeotimo kateotimo	kaeotima kateotima
	2	kaekaeotijimo katakateotijimo	kaekaeota katakateota	kaekaeoruma katakateoruma	kaekaeotimo katakateotimo	kaekaeotima katakateotima
	3	katakatakateotijimo	katakatakateota	katakatakateoruma	katakatakateotimo	katakatakateotima
	4	quaeotijimo quateotijimo	quaeota quateota	quaeoruma quateoruma	quaeotimo quateotimo	quaeotima quateotima
	5	quaequaeotijimo quataquateotijimo	quaequaeota quataquateota	quaequaeoruma quataquateoruma	quaequaeotimo quataquateotimo	quaequaeotima quataquateotima
	6	quataquataquateotijimo	quataquataquateota	quataquataquateoruma	quataquataquateotimo	quataquataquateotima
	7	wateotijimo	wateota	wateoruma	wateotimo	wateotima
	8	watawateotijimo	watawateota	watawateoruma	watawateotimo	watawateotima
	9	watawatawateotijimo	watawatawateota	watawatawateoruma	watawatawateotimo	watawatawateotima
		90	100	200	300	500
	1	kaeoduma kateoduma	kaeotebu kateotebu	kaeorobu kateorobu	kaeotijibu kateotijibu	kaeotimouer kateotimouer

	2	kaekaeoduma katakateoduma	kaekaeotebu katakateotebu	kaekaeorobu katakateorobu	kaekaeotijibu katakateotijibu	kaekaeotimouer katakateotimouer
	3	katakatakateoduma	katakatakateotebu	katakatakateorobu	katakatakateotijibu	katakatakateotimouer
	4	quaeoduma quateoduma	quaeotebu quateotebu	quaeorobu quateorobu	quaeotijibu quateotijibu	quaeotimouer quateotimouer
	5	quaequaeoduma quataquateoduma	quaequaeotebu quataquateotebutebu	quaequaeorobu quataquateorobu	quaequaeotijibu quataquateotijibu	quaequaeotimouer quataquateotimouer
	6	quataquataquateoduma	quataquataquateotebu	quataquataquateorobu	quataquataquateotijibu	quataquataquateotimouer
	7	wateoduma	wateotebu	wateorobu	wateotijibu	wateotimouer
	8	watawateoduma	watawateotebu	watawateorobu	watawateotijibu	watawateotimouer
	9	watawatawateoduma	watawatawateotebu	watawatawateorobu	watawatawateotijibu	watawatawateotimouer

Classifier ↓	form↓	Numeral →				
		5	10	20	30	50
	1	katagatijimo	katagata	katagaruma	katagatimo	katagatima
	2	katakatagatijimo	katakatagata	katakatagaruma	katakatagatimo	katakatagatima
	3					
	4	quagatijimo quatagatijimo	quagata quatagata	quagaruma quatagaruma	quagatimo quatagatimo	quagatima quatagatima
	5	quaquagatijimo quataquatagatijimo	quaquagata quataquatagata	quaquagaruma quataquatagaruma	quaquagatimo quataquatagatimo	quaquagatima quataquatagatima
	6					
	7	watagatijimo	watagata	watagaruma	watagatimo	watagatima
	8	watawatagatijimo	watawatagata	watawatagaruma	watawatagatimo	watawatagatima
	9					
		90	100	200	300	500
	1	katagaduma	katagatebu	katagarobu	katagatijibu	katagatijimouer/ katagatimouer
13 [12] ga [gʌ]	2	katakatagaduma	katakatagatebu	katakatagarobu	katakatagatijibu	katakatagatijimouer/ katakatagatimouer
	3					
	4	quagaduma quatagaduma	quagatebu quatagatebu	quagarobu quatagarobu	quagatijibu quatagatijibu	quagatijimouer/ quagatimouer quatagatijimouer/ quatagatimouer
	5	quaquagaduma quataquatagaduma	quaquagatebu quataquatagatebu	quaquagarobu quataquatagarobu	quaquagatijibu quataquatagatijibu	quaquagatijimouer/ quaquagatimouer quataquatagatijimouer/ quataquatagatimouer
	6					
	7	watagaduma	watagatebu	watagarobu	watagatijibu	watagatijimouer/ watagatimouer
	8	watawatagaduma	watawatagatebu	watawatagarobu	watawatagatijibu	watawatagatijimouer/ watawatagatimouer
	9					

Classifier ↓	form↓					
		5	10	20	30	50
	1	kataga tijimo	kataga ta	kataga ruma	kataga timo	kataga tima
	2	katakataga tijimo	katakataga ta	katakataga ruma	katakataga timo	katakataga tima
	3					
	4	quaga tijimo quataga tijimo	quaga ta quataga ta	quaga ruma quataga ruma	quaga timo quataga timo	quaga tima quataga tima
	5	quaquaga tijimo quataquataga tijimo	quaquaga ta quataquataga ta	quaquaga ruma quataquataga ruma	quaquaga timo quataquataga timo	quaquaga tima quataquataga tima
	6					
	7	wataga tijimo	wataga ta	wataga ruma	wataga timo	wataga tima
	8	watawataga tijimo	watawataga ta	watawataga ruma	watawataga timo	watawataga tima
	9					
		90	100	200	300	500
	1	kataga duma	kataga tebu	kataga robu	kataga tijibu	kataga tijimouer/ kataga timouer
14 [24] ga/gə [gæ]	2	katakataga duma	katakataga tebu	katakataga robu	katakataga tijibu	katakataga tijimouer/ katakataga timouer
	3					
	4	quaga duma quataga duma	quaga tebu quataga tebu	quaga robu quataga robu	quaga tijibu quataga tijibu	quaga tijimouer/ quaga timouer quataga tijimouer/ quataga timouer
	5	quaquaga duma quataquataga duma	quaquaga tebu quataquataga tebu	quaquaga robu quataquataga robu	quaquaga tijibu quataquataga tijibu	quaquaga tijimouer/ quaquaga timouer quataquataga tijimouer/ quataquataga timouer
	6					
	7	wataga duma	wataga tebu	wataga robu	wataga tijibu	wataga tijimouer/ wataga timouer
	8	watawataga duma	watawataga tebu	watawataga robu	watawataga tijibu	watawataga tijimouer/ watawataga timouer
	9					

Classifier ↓	form↓	Numeral →				
		5	10	20	30	50
	1	kaimetijimo katimetijimo	kaimeta katimeta	kaimeruma katimeruma	kaimetimo katimetimo	kaimetima katimetima
	2	kaekaimetijimo katakatimetijimo	kaekaimeta katakatimeta	kaekaimeruma katakatimeruma	kaekaimetimo katakatimetimo	kaekaimetima katakatimetima
	3					
	4	quaimetijimo quatimetijimo	quaimeta quatimeta	quaimeruma quatimeruma	quaimetimo quatimetimo	quaimetima quatimetima
	5	quaquaimetijimo quaquatimetijimo quataquatimetijimo	quaquaimeta quaquatimeta quataquatimeta	quaquaimeruma quaquatimeruma quataquatimeruma	quaquaimetimo quaquatimetimo quataquatimetimo	quaquaimetima quaquatimetima quataquatimetima
	6					
	7	watimetijimo	watimeta	watimeruma	watimetimo	watimetima
	8	watawatimetijimo	watawatimeta	watawatimeruma	watawatimetimo	watawatimetima
	9					
		90	100	200	300	500
	1	kaimeduma katimeduma	kaimetebu katimetebu	kaimerobu katimerobu	kaimetijibu katimetijibu	kaimetijimouer/ kaimetimouer katimetijimouer/ katimetimouer
15 [13] ime [ime]	2	kaekaimeduma katakatimeduma	kaekaimetebu katakatimetebu	kaekaimerobu katakatimerobu	kaekaimetijibu katakatimetijibu	kaekaimetijimouer/ kaekaimetimouer katakatimetijimouer/ katakatimetimouer
	3					
	4	quaimeduma quatimeduma	quaimetebu quatimetebu	quaimerobu quatimerobu	quaimetijibu quatimetijibu	quaime tijimouer/ quaimetimouer quatimetijimouer/

						quatimetimouer
	5	quaquaimeduma quaquatimeduma quataquatimeduma	quaquaimetebu quaquatimetebu quataquatimetebu	quaquaimerobu quaquatimerobu quataquatimerobu	quaquaimetijibu quaquatimetijibu quataquatimetijibu	quaquaimetijimouer/ quaquaimetimouer quaquatimetijimouer/ quaquatimetimouer quataquatimetijimouer/ quataquatimetimouer
	6					
	7	watimeduma	watimetebu	watimerobu	watimetijibu	watimetijimouer/ watimetimouer
	8	watawatimeduma	watawatimetebu	watawatimerobu	watawatimetijibu	watawatimetijimouer/ watawatimetimouer
	9					

Classifier ↓	form↓	Numeral →				
		5	10	20	30	50
	1	katinitijimo	katinita	katinirumaruma	katinitimo	katinitima
	2	katakatinitijimo	katakatinita	katakatiniruma	katakatinitimo	katakatinitima
	3	katakatakatinitijimo	katakatakatinita	katakatakatiniruma	katakatakatinitimo	katakatakatinitima
	4	quatinitijimo	quatinita	quatiniruma	quatinitimo	quatinitima
	5	quaquatinitijimo quataquatinitijimo	quaquatinita quataquatinita	quaquatiniruma quataquatiniruma	quaquatinitimo quataquatinitimo	quaquatinitima quataquatinitima
	6	quataquataquatinitijimo	quataquataquatinita	quataquataquatiniruma	quataquataquatinitimo	quataquataquatinitima
	7	watinitijimo	watinita	watiniruma	watinitimo	watinitima
	8	quawatinitijimo watawatinitijimo	quawatinita watawatinita	quawatiniruma watawatiniruma	quawatinitimo watawatinitimo	quawatinitima watawatinitima
	9	watawatawatinitijimo	watawatawatinita	watawatawatiniruma	watawatawatinitimo	watawatawatinitima
		90	100	200	300	500
	1	katiniduma	katinitebutebu	katinirobu	katinitijubu	katinitijimouer/ katinitimouer
16 [38]	2	katakatiniduma	katakatinitebu	katakatinirobu	katakatinitijubu	katakatinitijimouer/ katakatinitimouer
in [iin]	3	katakatakatiniduma	katakatakatinitebu	katakatakatinirobu	katakatakatinitijubu	katakatakatinitijimouer/ katakatakatinitimouer
	4	quatiniduma	quatinitebu	quatinirobu	quatinitijubu	quatinitijimouer/ quatinitimouer
	5	quaquatiniduma quataquatiniduma	quaquatinitebu quataquatinitebu	quaquatinirobu quataquatinirobu	quaquatinitijubu quataquatinitijubu	quaquatinitijimouer/ quaquatinitimouer quataquatinitijimouer/ quataquatinitimouer
	6	quataquataquatiniduma	quataquataquatinitebu	quataquataquatinirobu	quataquataquatinitijubu	quataquataquatinitijimouer/ quataquataquatinitimouer
	7	watiniduma	watinitebu	watinirobu	watinitijubu	watinitijimouer/ watinitimouer
	8	quawatiniduma watawatiniduma	quawatinitebu watawatinitebu	quawatinirobu watawatinirobu	quawatinitijubu watawatinitijubu	quawatinitijimouer/ quawatinitimouer watawatinitijimouer/ watawatinitimouer
	9	watawatawatiniduma	watawatawatinitebu	watawatawatinirobu	watawatawatinitijubu	watawatawatinitijimouer/ watawatawatinitimouer

Classifier ↓	form↓	Numeral →				
		5	10	20	30	50
	1	katinätijimotijimo	katinätata	katinäruma	katinätimo	katinätima
	2	katakatinätijimo	katakatinäta	katakatinäruma	katakatinätimo	katakatinätima
	3	katakatakatinätijimo	katakatakatinäta	katakatakatinäruma	katakatakatinätimo	katakatakatinätima
	4	quatinätijimo	quatinäta	quatinäruma	quatinätimo	quatinätimatima
	5	quataquatinätijimo	quataquatinäta	quataquatinäruma	quataquatinätimo	quataquatinätima
	6	quataquataquatinätijimo	quataquataquatinäta	quataquataquatinäruma	quataquataquatinätimo	quataquataquatinätima
	7	watinätijimo	watinäta	watinäruma	watinätimotimo	watinätima
	8	watawatinätijimo	watawatinäta	watawatinäruma	watawatinätimo	watawatinätima
	9	watawatawatinätijimo	watawatawatinäta	watawatawatinäruma	watawatawatinätimo	watawatawatinätima
		90	100	200	300	500
	1	katinäduma	katinätebu	katinärobu	katinätijubu	katinätijimouer/ katinätimouer
17 [35] ine/inä [iine]	2	katakatinäduma	katakatinätebu	katakatinärobu	katakatinätijubu	katakatinätijimouer/ katakatinätimouer
	3	katakatakatinäduma	katakatakatinätebu	katakatakatinärobu	katakatakatinätijubu	katakatakatinätijimouer/ katakatakatinätimouer
	4	quatinäduma	quatinätebu	quatinärobu	quatinätijubu	quatinätijimouer/ quatinätimouer
	5	quataquatinäduma	quataquatinätebu	quataquatinärobu	quataquatinätijubu	quataquatinätijimouer/ quataquatinätimouer
	6	quataquataquatinäduma	quataquataquatinätebu	quataquataquatinärobu	quataquataquatinätijubu	quataquataquatinätijimouer/ quataquataquatinätimouer
	7	watinäduma	watinätebu	watinärobu	watinätijubu	watinätijimouer/ watinätimouer
	8	watawatinäduma	watawatinätebu	watawatinärobu	watawatinätijubu	watawatinätijimouer/ watawatinätimouer
	9	watawatawatinäduma	watawatawatinätebu	watawatawatinärobu	watawatawatinätijubu	watawatawatinätijimouer/ watawatawatinätimouer

Classifier ↓	form↓	Numeral →				
		5	10	20	30	50
	1	kairetijimo katiretijimo	kaireta katireta	kaireruma katireruma	kairetimo katiretimo	kairetima katiretima
	2	kaekairetijimo katakatiretijimo	kaekaireta katakatireta	kaekaireruma katakatireruma	kaekairetimo katakatiretimo	kaekairetima katakatiretima
	3					
	4	quairetijimo	quaireta	quaireruma	quairetimo	quairetima
	5	quaquairetijimo quataquatiretijimo	quaquaireta quataquatireta	quaquaireruma quataquatireruma	quaquairetimo quataquatiretimo	quaquairetima quataquatiretima
	6	quataquataquatiretijimo	quataquataquatireta	quataquataquatireruma	quataquataquatiretimo	quataquataquatiretima
	7					
	8	watawatiretijimo	watawatireta	watawatireruma	watawatiretimo	watawatiretima
	9	watawatawatiretijimo	watawatawatireta	watawatawatireruma	watawatawatiretimo	watawatawatiretima
		90	100	200	300	500
	1	kaireduma katireduma	kairetebu katiretebu	kairerobu katirerobu	kairetijibu katiretijibu	kairetijimouer/ kairetimouer kairetijimouer/ katiretimouer
18 [14] ire [ire]	2	kaekaireduma katakatireduma	kaekairetebu katakatiretebu	kaekairerobu katakatirerobu	kaekairetijibu katakatiretijibu	kaekairetijimouer/ kaekairetimouer katakatiretijimouer/ katakatiretimouer

	3					
	4	quaireduma	quairetebu	quairerobu	quairetijibu	quairetijimouer/ quairetimouer
	5	quaquaireduma quataquatireduma	quaquairetebu quataquatiretebu	quaquairerobu quataquatirerobu	quaquairetijibu quataquatiretijibu	quaquairetijimouer/ quaquairetimouer quataquatiretijimouer/ quataquatiretimouer
	6	quataquataquatireduma	quataquataquatiretebu	quataquataquatirerobu	quataquataquatiretijibu	quataquataquatiretijimouer/ quataquataquatiretimouer
	7					
	8	watawatireduma	watawatiretebu	watawatirerobu	watawatiretijibu	watawatiretijimouer/ watawatiretimouer
	9	watawatawatireduma	watawatawatiretebu	watawatawatirerobu	watawatawatiretijibu	watawatawatiretijimouer/ watawatawatiretimouer

Classifier ↓	form↓	Numeral →				
		5	10	20	30	50
	1	katiwitijimo	katiwita	katiwiruma	katiwitimo	katiwitima
	2	katakatiwitijimo	katakatiwita	katakatiwiruma	katakatiwitimo	katakatiwitima
	3	katakatakatiwitijimo	katakatakatiwita	katakatakatiwiruma	katakatakatiwitimo	katakatakatiwitima
	4	quatiwitijimo	quatiwita	quatiwiruma	quatiwitimo	quatiwitima
	5	quaquatiwitijimo quataquatiwitijimo	quaquatiwita quataquatiwita	quaquatiwiruma quataquatiwiruma	quaquatiwitimo quataquatiwitimo	quaquatiwitima quataquatiwitima
	6	quataquataquatiwitijimo	quataquataquatiwita	quataquataquatiwiruma	quataquataquatiwitimo	quataquataquatiwitima
	7					
	8	watawatiwitijimo	watawatiwita	watawatiwiruma	watawatiwitimo	watawatiwitima
	9	watawatawatiwitijimo	watawatawatiwita	watawatawatiwiruma	watawatawatiwitimo	watawatawatiwitima
		90	100	200	300	500
	1	katiwiduma	katiwitebutebu	katiwirobu	katiwitjubu	katiwitjimouer/ katiwitimouer
	2	katakatiwiduma	katakatiwitebu	katakatiwirobu	katakatiwitjubu	katakatiwitjimouer/ katakatiwitimouer
19 [36] iw [iw]	3	katakatakatiwiduma	katakatakatiwitebu	katakatakatiwirobu	katakatakatiwitjubu	katakatakatiwitjimouer/ katakatakatiwitimouer
	4	quatiwiduma	quatiwitebu	quatiwirobu	quatiwitijubu	quatiwitijimouer/ quatiwitimouer
	5	quaquatiwiduma quataquatiwiduma	quaquatiwitebu quataquatiwitebu	quaquatiwirobu quataquatiwirobu	quaquatiwitijubu quataquatiwitjubu	quaquatiwitijimouer/ quaquatiwitimouer quataquatiwitijimouer/ quataquatiwitimouer
	6	quataquataquatiwiduma	quataquataquatiwitebu	quataquataquatiwirobu	quataquataquatiwitijubu	quataquataquatiwitijimouer/ quataquataquatiwitimouer
	7					
	8	watawatiwiduma	watawatiwitebu	watawatiwirobu	watawatiwitjubu	watawatiwitjimouer/ watawatiwitimouer
	9	watawatawatiwiduma	watawatawatiwitebu	watawatawatiwirobu	watawatawatiwitjubu	watawatawatiwitijimouer/ watawatawatiwitimouer

Classifier ↓	form↓	Numeral →				
		5	10	20	30	50
	1	kakätijimotijimo katakätijimo	kakäta katakäta	kakäruma katakäruma	kakätimo katakätimo	kakätima katakätima
	2	katakatakätijimo	katakatakäta	katakatakäruma	katakatakätimo	katakatakätima
	3					
	4	quakätijimo quatakätijimo	quakäta quatakäta	quakäruma quatakäruma	quakätimo quatakätimo	quakätima quatakätima
	5	quaquakätijimo quataquatakätijimo	quaquakäta quataquatakäta	quaquakäruma quataquatakäruma	quaquakätimo quataquatakätimo	quaquakätima quataquatakätima
	6					
	7	watakätijimo	watakäta	watakäruma	watakätimo	watakätima
	8	watawaatakätijimo	watawaatakäta	watawaatakäruma	watawaatakätimo	watawaatakätima
	9					
		90	100	200	300	500
20 [21] ke/kä [ke]	1	kakädumaduma katakäduma	kakätebu katakätebu	kakärobu katakärobu	kakätjibu katakätijibu	kakätijimouer/ kakätimouer katakätijimouer/ katakätimouer
	2	katakatakäduma	katakatakätebu	katakatakärobu	katakatakätijibu	katakatakätijimouer/ katakatakätimouer
	3					
	4	quakäduma quatakäduma	quakätebu quatakätebu	quakärobu quatakärobu	quakätijibu quatakätijibu	quakätijimouer/ quakätimouer quatakätijimouer/ quatakätimouer
	5	quaquakäduma quataquatakäduma	quaquakätebu quataquatakätebu	quaquakärobu quataquatakärobu	quaquakätijibu quataquatakätijibu	quaquakätijimouer/ quaquakätimouer quataquatakätijimouer/ quataquatakätimouer
	6					
	7	watakäduma	watakätebu	watakärobu	watakätijibu	watakätijimouer/ watakätimouer
	8	watawatakäduma	watawatakätebu	watawatakärobu	watawatakätijibu	watawatakätijimouer/ watawatakätimouer
	9					

Classifier ↓	form↓	Numeral →				
		5	10	20	30	50
	1	katemaetijimo	katemaeta	katemaeruma	katemaetimo	katemaetima
	2	katakatemaetijimo	katakatemaeta	katakatemaeruma	katakatemaetimo	katakatemaetima
	3	katakatakatemaetijimo	katakatakatemaeta	katakatakatemaeruma	katakatakatemaetimo	katakatakatemaetima
	4	quatemaetijimo	quatemaeta	quatemaeruma	quatemaetimo	quatemaetima
	5	quaquamaetijimo quataquatemaetijimo	quaquamaeta quataquatemaeta	quaquamaeruma quataquatemaeruma	quaquamaetimo quataquatemaetimo	quaquamaetima quataquatemaetima
	6	quataquataquatemaetijimo	quataquataquatemaeta	quataquataquatemaeruma	quataquataquatemaetimo	quataquataquatemaetima
	7	watamaetijimotijimo	watemaetata			
21 [4] mae/ma [mːai]	8	watawatemaetijimo	watawatemaeta	watawatemaeruma	watawatemaetimo	watawatemaetima
	9	watawatawatemaetijimo	watawatawatemaeta	watawatawatemaeruma	watawatawatemaetimo	watawatawatemaetima
		90	100	200	300	500
	1	katemaedumaeduma	katemaetebu	katemaerobu	katemaetjibu	katemaetimouer
	2	katakatemaeduma	katakatemaetebu	katakatemaerobu	katakatemaetjibu	katakatemaetimouer
	3	katakatakatemaeduma	katakatakatemaetebu	katakatakatemaerobu	katakatakatemaetjibu	katakatakatemaetimouer
	4	quatemaedumaduma	quatemaetebu	quatemaerobu	quatemaetijibu	quatemaetimouer
	5	quaquamaeduma quataquatemaeduma	quaquamaetebu quataquatemaetebu	quaquamaerobu quataquatemaerobu	quaquamaetijibu quataquatemaetjibu	quaquamaetimouer quataquatemaetimouer
	6	quataquataquatemaeduma	quataquataquatemaetebu	quataquataquatemaerobu	quataquataquatemaetjibu	quataquataquatemaetimouer

	7					
	8	watawatemaeduma	watawatemaetebu	watawatemaerobu	watawatemaetijibu	watawatemaetimouer
	9	Watawatawatemaeduma	watawatawatemaetebu	watawatawatemaerobu	watawatawatemaetijibu	watawatawatemaetimouer

Classifier ↓	form↓	Numeral →				
		5	10	20	30	50
	1	kamagätijimo katamagätijimo	kamagäta katamagäta	kamagäruma katamagäruma	kamagätimo katamagätimo	kamagätima katamagätima
	2	katakatamagätijimo	katakatamagäta	katakatamagäruma	katakatamagätimo	katakatamagätima
	3					
	4	quamagätijimo quatamagätijimo	quamagäta quatamagäta	quamagäruma quatamagäruma	quamagätimo quatamagätimo	quamagätima quatamagätima
22 [25] mage/magä [mʌge]	5	quaquamagätijimo quataquatamagätijimo	quaquamagäta quataquatamagäta	quaquamagäruma quataquatamagäruma	quaquamagätimo quataquatamagätimo	quaquamagätima quataquatamagätima
	6					
	7	watamagätijimo	watamagäta	watamagäruma	watamagätimo	watamagätima
	8	watawatamagätijimo	watawatamagäta	watawatamagäruma	watawatamagätimo	watawatamagätima
	9					

		90	100	200	300	500
	1	kamagäduma katamagäduma	kamagätebu katamagätebu	kamagärobu katamagärobu	kamagätijibu katamagätijibu	kamagätijimouer/ kamagätimouer katamagätijimouer/ katamagätimouer
	2	katakatamagäduma	katakatamagätebu	katakatamagärobu	katakatamagätijibu	katakatamagätijimouer/ katakatamagätimouer
	3					
	4	quamagäduma quatamagäduma	quamagätebu quatamagätebu	quamagärobu quatamagärobu	quamagätijibu quatamagätijibu	quamagätijimouer/ quamagätimouer quatamagätijimouer/ quatamagätimouer
	5	quaquamagäduma quataquatamagäduma	quaquamagätebu quataquatamagätebu	quaquamagärobu quataquatamagärobu	quaquamagätijibu quataquatamagätijibu	quaquamagätijimouer/ quaquamagätimouer quataquatamagätijimouer/ quataquatamagätimouer
	6					
	7	watamagäduma	watamagätebu	watamagärobu	watamagätijibu	watamagätijimouer/ watamagätimouer
	8	watawatamagäduma	watawatamagätebu	watawatamagärobu	watawatamagätijibu	watawatamagätijimouer/ watawatamagätimouer
	9					

Classifier ↓	form↓	Numeral →				
		5	10	20	30	50
	1	kamaritijimo katamaritijimo	kamarita katamarita	kamariruma katamariruma	kamaritimo katamaritimo	kamaritima katamaritima
	2	kamakamaritijimo katakatamaritijimo	kamakamarita katakatamarita	kamakamariuma katakatamariuma	kamakamaritimo katakatamaritimo	kamakamaritima katakatamaritima
	3					
	4	quamaritijimo quatamaritijimo	quamarita quatamarita	quamariuma quatamariruma	quamaritimo quatamaritimo	quamaritima quatamaritima
	5	quaquamaritijimo quataquatamaritijimo	quaquamarita quataquatamarita	quaquamariruma quataquatamariruma	quaquamaritimo quataquatamaritimo	quaquamaritima quataquatamaritima
	6					
	7	watamaritijimo	watamarita	watamariruma	watamaritimo	watamaritima
	8	watawatamaritijimo	watawatamarita	watawatamariruma	watawatamaritimo	watawatamaritima
	9					
		90	100	200	300	500
	1	kamariduma katamariduma	kamaritebu katamaritebu	kamarirobu katamariobu	kamaritijibu katamaritijibu	kamaritijimouer/ kamaritimouer katamaritijimouer/ katamaritimouer
23 [22] mwari/mari [mʷʌrʰi]	2	kamakamariduma katakatamariduma	kamakamaritebu katakatamaritebu	kamakamarirobu katakatamarirobu	kamakamaritijibu katakatamaritijibu	kamakamaritijimouer/ kamakamaritimouer katakatamaritijimouer/ katakatamartimoueri
	3					
	4	quamariduma quatamariduma	quamaritebu quatamaritebu	quamarirobu quatamarirobu	quamaritijibu quatamaritijibu	quamaritijimouer/ quamaritimouer quatamaritijimouer/ quatamaritimouer
	5	quaquamariduma quataquatamariduma	quaquamaritebu quataquatamaritebu	quaquamarirobu quataquatamarirobu	quaquamaritijibu quataquatamaritijibu	quaquamaritijimouer/ quaquamaritimouer quataquatamaritijimouer/ quataquatamaritimouer
	6					
	7	watamariduma	watamaritebu	watamarirobu	watamaritijibu	watamaritijimouer/ watamaritimouer
	8	watawatamariduma	watawatamaritebu	watawatamarirobu	watawatamaritijibu	watawatamaritijimouer/ watawatamaritimouer
	9					

Classifier ↓	form↓	Numeral →				
		5	10	20	30	50
	1	kamuötijimo katamuötijimo	kamuöta katamuöta	kamuöruma katamuöruma	kamuötimo katamuötimo	kamuötima katamuötima
	2	katakatamuötijimo	katakatamuöta	katakatamuöruma	katakatamuötimo	katakatamuötima
	3					
	4	quamuötijimo quatamuötijimo	quamuöta quatamuöta	quamuöruma quatamuöruma	quamuötimo quatamuötimo	quamuötima quatamuötima
	5	quaquamuötijimo quataquatamuötijimo	quaquamuöta quataquatamuöta	quaquamuöruma quataquatamuöruma	quaquamuötimo quataquatamuötimo	quaquamuötima quataquatamuötima
	6					
	7	watamuötijimo	watamuöta	watamuöruma	watamuötimo	watamuötima watamuötima
	8	watawatamuötijimo	watawatamuöta	watawatamuöruma	watawatamuötimo	watawatamuötima watawatamuötima
	9					
		90	100	200	300	500
	1	kamuöduma katamuöduma	kamuötebu katamuötebu	kamuörobu katamuörobu	kamuötijibu katamuötijibu	kamuötijimouer/ kamuötimouer katamuötijimouer/ katamuötimouer
24 [26] mwe/muö [mwɐ]	2	katakatamuöduma	katakatamuötebu	katakatamuörobu	katakatamuötijibu	katakatamuötijimouer/ katakatamuötimouer
	3					

	4	quamuŏduma quatamuŏduma	quamuŏtebu quatamuŏtebu	quamuŏrobu quatamuŏrobu	quamuŏtjibu quatamuŏtjibu	quamuŏtjimouer/ quamuŏtimouer quatamuŏtjimouer/ quatamuŏtimouer
	5	quaquamuŏduma quataquatamuŏduma	quaquamuŏtebu quataquatamuŏtebu	quaquamuŏrobu quataquatamuŏrobu	quaquamuŏtjibu quataquatamuŏtjibu	quaquamuŏtjimouer/ quaquamuŏtimouer quataquatamuŏtjimouer/ quataquatamuŏtimouer
	6					
	7	watamuŏduma	watamuŏtebu	watamuŏrobu	watamuŏtjibu	watamuŏtjimouer/ watamuŏtimouer
	8	watawatamuŏduma	watawatamuŏtebu	watawatamuŏrobu	watawatamuŏtjibu	watawatamuŏtjimouer/ watawatamuŏtimouer
	9					

Classifier ↓	form↓	Numeral →				
		5	10	20	30	50
	1	kamueijitijimo katamueijitijimo	kamueijita katamueijita	kamueijiruma katamueijiruma	kamueijitimo katamueijitimo	kamueijitima katamueijitima
25 [31] mweij /mweiyi/mueiji [mweiʒi]	2	katakamueijitijimo katakatamueijitijimo	katakamueijita katakatamueijita	katakamueijiruma katakatamueijiruma	katakamueijitimo katakatamueijitimo	katakamueijitima katakatamueijitima
	3	katakatakamueijitijimo	katakatakamueijita	katakatakamueijiruma	katakatakamueijitimo	katakatakamueijitima
	4	quamueijitijimo quatamueijitijimo	quamueijita quatamueijita	quamueijiruma quatamueijiruma	quamueijitimo quatamueijitimo	quamueijitima quatamueijitima
	5	quaquamueijitijimo quataquamueijitijimo quataquatamueijitijimo	quaquamueijita quataquamueijita quataquatamueijita	quaquamueijiruma quataquamueijiruma quataquatamueijiruma	quaquamueijitimo quataquamueijitimo quataquatamueijitimo	quaquamueijitima quataquamueijitima quataquatamueijitima

	6	quataquataquamueijitijimo	quataquataquamueijita	quataquataquamueijiruma	quataquataquamueijitimo	quataquataquamueijitima
	7	watamueijitijimo	watamueijita	watamueijiruma	watamueijitimo	watamueijitima
	8	watawamueijitijimo watawatamueijitijimo	watawamueijita watawatamueijita	watawamueijiruma watawatamueijiruma	watawamueijitimo watawatamueijitimo	watawamueijitima watawatamueijitima
	9					
		90	100	200	300	500
	1	kamueijiduma katamueijiduma	kamueijitebu katamueijitebu	kamueijirobu katamueijirobu	kamueijitjubu katamueijitjibu	kamueijitjimouer / kamueijitimouer katamueijitjimouer katamueijitjimouer
	2	katakamueijiduma katakatamueijiduma	katakamueijitebu katakatamueijitebu	katakamueijirobu katakatamueijirobu	katakamueijitjibu katakatamueijitjibu	katakamueijitjimouer/ katakamueijitimouer katakatamueijitjimouer/ katakatamueijitimouer
	3	katakatakamueijiduma	katakatakamueijitebu	katakatakamueijirobu	katakatakamueijitjibu	katakatakamueijitjimouer/ katakatakamueijitimouer
	4	quamueijiduma quatamueijiduma	quamueijitebu quatamueijitebu	quamueijirobu quatamueijirobu	quamueijitjibu quatamueijitjibu	quamueijitjimouer/ quamueijitimouer quatamueijitjimouer/ quatamueijitimouer
	5	quaquamueijiduma quataquamueijiduma quataquatamueijiduma	quaquamueiji quataquamueijitebu quataquatamueijitebu	quaquamueijirobu quataquamueijirobu quataquatamueijirobu	quaquamueijitjibu quataquamueijitjibu quataquatamueijitjibu	quaquamueijitjimouer/ quaquamueijitimouer quataquamueijitjimouer/ quataquamueijitimouer quataquatamueijitjimouer/ quataquatamueijitimouer
	6	quataquataquamueijiduma	quataquataquamueijitebu	quataquataquamueijirobu	quataquataquamueijitjibu	quataquataquamueijitjimouer/ quataquataquamueijitimouer
	7	watamueijiduma	watamueijitebu	watamueijirobu	watamueijitjibu	watamueijitjimouer/ watamueijitimouer
	8	watawamueijiduma watawatamueijiduma	watawamueijitebu watawatamueijitebu	watawamueijirobu watawatamueijirobu	watawamueijitjibu watawatamueijitjibu	watawamueijitjimouer/ watawamueijitimouer watawatamueijitjimouer/ watawatamueijitimouer
	9					

Classifier ↓	form↓	Numeral →				
		5	10	20	30	50
	1	kaɲätijimo kataɲätijimo	kaɲäta kataɲäta	kaɲäruma kataɲäruma	kaɲätimo kataɲätimo	kaɲätima kataɲätima
	2	katakataɲätijimo	katakataɲäta	katakataɲäruma	katakataɲätimo	katakataɲätima
	3					
	4	quaɲätijimo quataɲätijimo	quaɲäta quataɲäta	quaɲäruma quataɲäruma	quaɲätimo quataɲätimo	quaɲätima quataɲätima
	5	quaquaɲätijimo quataquataɲätijimo	quaquaɲäta quataquataɲäta	quaquaɲäruma quataquataɲäruma	quaquaɲätimo quataquataɲätimo	quaquaɲätima quataquataɲätima
	6					
	7	wataɲätijimo	wataɲäta	wataɲäruma	wataɲätimo	wataɲätima
	8	watawataɲätijimo	watawataɲäta	watawataɲäruma	watawataɲätimo	watawataɲätima
	9					
		90	100	200	300	500
26 [27] nge/ñe/ngä/ñä [ŋe]	1	kaɲäduma kataɲäduma	kaɲätebu kataɲätebu	kaɲärobu kataɲärobu	kaɲätjibu kataɲätijibu	kaɲätjimouer/ kaɲätimouer kataɲätijimouer/ kataɲätimouer
	2	katakataɲäduma	katakataɲätebu	katakataɲärobu	katakataɲätijibu	katakataɲätijimouer/ katakataɲätimouer
	3					
	4	quaɲäduma quataɲäduma	quaɲätebu quataɲätebu	quaɲärobu quataɲärobu	quaɲätijibu quataɲätijibu	quaɲätijimouer/ quaɲätimouer quataɲätijimouer/ quataɲätimouer
	5	quaquaɲäduma quataquataɲäduma	quaquaɲätebu quataquataɲätebu	quaquaɲärobu quataquataɲärobu	quaquaɲätijibu quataquataɲätijibu	quaquaɲätijimouer/ quaquaɲätimouer quataquataɲätijimouer/ quataquataɲätimouer
	6					
	7	wataɲäduma	wataɲätebu	wataɲärobu	wataɲätijibu	wataɲätijimouer/ wataɲätimouer
	8	watawataɲäduma	watawataɲätebu	watawataɲärobu	watawataɲätijibu	watawataɲätijimouer/ watawataɲätimouer
	9					

Classifier ↓	form↓	Numeral →				
		5	10	20	30	50
	1	kaoätijimo	kaoä	kaoäruma	kaoätimotimo	kaoätimatima
	2	kaoäkaoätijimo katakatoätijimo	kaoäkaoä katakatoä	kaoäkaoäruma katakatoäruma	kaoäkaoätimo katakatoätimo	kaoäkaoätima katakatoätima
	3	katakatakoätijimo	katakatakoä	katakatakoäruma	katakatakoätimo	katakatakoätima
	4	quaoätijimo	quaoä	quaoäruma	quaoätimo	quaoätima
	5	quoquoätijimo quataquatoä	quoquoä quataquatoä	quoquoäruma quataquatoäruma	quoquoätimo quataquatoätimo	quoquoätima quataquatoätima

27 [6] oe/oä [oʷe]	6	quataquataquoätijimo	quataquataquoä	quataquataquoäruma	quataquataquoätimo	quataquataquoätima
	7					
	8	watawatoätijimo	watawatoä	watawatoäruma	watawatoätimo	watawatoätima
	9	watawatawoätijimo	watawatawoä	watawatawoäruma	watawatawoätimo	watawatawoätima
		90	100	200	300	500
	1	kaoäduma	kaoätebu	Kaoärobu	kaoätijibutijibu	kaoätimouer
	2	kaoäkaoäduma katakatoäduma	kaoäkaoätebu katakatoätebu	kaoäkaoärobu katakatoärobu	kaoäkaoätijibu katakatoätijibu	kaoäkaoätimouer katakatoätimouer
	3	katakatakoäduma	katakatakoätebu	katakatakoärobu	katakatakoätijibu	katakatakoätimouer
	4	quaoäduma	quaoätebu	quaoärobu	quaoätijibu	quaoätimouer
	5	quoquoäduma quataquatoäduma	quoquoätebu quataquatoätebu	quoquoärobu quataquatoärobu	quoquoätijibu quataquatoätijibu	quoquoätimouer quataquatoätimouer
	6	quataquataquoäduma	quataquataquoätebu	quataquataquoärobu	quataquataquoätijibu	quataquataquoätimouer
	7					
	8	watawatoäduma	watawatoätebu	watawatoärobu	watawatoätijibu	watawatoätimouer
	9	watawatawoäduma	watawatawoätebu	watawatawoärobu	watawatawoätijibu	watawatawoätimouer

Classifier ↓	form↓	Numeral →				
28 [37] pañ/pang/pa‿ṅ [panj]		5	10	20	30	50
	1	kapa‿ṅitijimo katapa‿ṅitijimo	kapa‿ṅita katapa‿ṅita	kapa‿ṅiruma katapa‿ṅiruma	kapa‿ṅitimo katapa‿ṅitimo	kapa‿ṅitima katapa‿ṅitima
	2	katakatapa‿ṅitijimo	katakatapa‿ṅita	katakatapa‿ṅiruma	katakatapa‿ṅitimo	katakatapa‿ṅitima
	3					
	4	quapa‿ṅitijimo quatapa‿ṅitijimo	quapa‿ṅita quatapa‿ṅita	quapa‿ṅiruma quatapa‿ṅiruma	quapa‿ṅi itimo quatapa‿ṅitimo	quapa‿ṅitima quatapa‿ṅitima
	5	quaquapa‿ṅitijimo quataquatapa‿ṅitijimo	quaquapa‿ṅita quataquatapa‿ṅita	quaquapa‿ṅiruma quataquatapa‿ṅiruma	quaquapa‿ṅitimo quataquatapa‿ṅitimo	quaquapa‿ṅitima quataquatapa‿ṅitima
	6					
	7	watapa‿ṅitijimo	watapa‿ṅita	watapa‿ṅiruma	watapa‿ṅitimo	watapa‿ṅitima

	8	watawatapa_ṅitijimo	watawatapa_ṅita	watawatapa_ṅiruma	watawatapa_ṅitimo	watawatapa_ṅitima
	9					
		90	100	200	300	500
	1	kapa_ṅiduma katapa_ṅiduma	kapa_ṅitebu katapa_ṅitebu	kapa_ṅirobu katapa_ṅirobu	kapa_ṅitijubu katapa_ṅitijubu	kapa_ṅitijimouer/ kapa_ṅitimouer katapa_ṅitijimouer katapa_ṅitimouer
	2	katakatapa_ṅiduma-	katakatapa_ṅitebu	katakatapa_ṅirobu	katakatapa_ṅitijubu	katakatapa_ṅitijimouer/ katakatapa_ṅitimouer
	3					
	4	quapa_ṅiduma quatapa_ṅiduma	quapa_ṅitebu quatapa_ṅitebu	quapa_ṅirobu quatapa_ṅirobu	quapa_ṅitijubu quatapa_ṅitijubu	quapa_ṅitijimouer/ quapa_ṅitimouer quatapa_ṅitijimouer/ quatapa_ṅitimouer
	5	quaquapa_ṅiduma quataquatapa_ṅiduma	quaquapa_ṅitebu quataquatapa_ṅitebu	quaquapa_ṅirobu quataquatapa_ṅirobu	quaquapa_ṅitijubu quataquatapa_ṅitijubu	quaquapa_ṅitijimouer/ quaquapa_ṅitimouer quataquatapa_ṅitijimouer/ quataquatapa_ṅitimouer
	6					
	7	watapa_ṅiduma	watapa_ṅitebu	watapa_ṅirobu	watapa_ṅitijubu	watapa_ṅitijimouer/ watapa_ṅitimouer
	8	watawatapa_ṅiduma	watawatapa_ṅitebu	watawatapa_ṅirobu	watawatapa_ṅitijubu	watawatapa_ṅitijimouer/ watawatapa_ṅitimouer
	9					

Classifier ↓	form↓	Numeral →				
		5	10	20	30	50
	1	kapowitijimo katapowitijimo	kapowita katapowita	kapowiruma katapowiruma	kapowitimo katapowitimo	kapowitima katapowitima
	2	katakatapowitijimo	katakatapowita	katakatapowiruma	katakatapowitimo	katakatapowitima
	3					
	4	quapowitijimo quatapowitijimo	quapowita quatapowita	quapowiruma quatapowiruma	quapowitimo quatapowitimo	quapowitima quatapowitima
	5	quaquapowitijimo quataquatapowitijimo	quaquapowita quataquatapowita	quaquapowiruma quataquatapowiruma	quaquapowitimo quataquatapowitimo	quaquapowitima quataquatapowitima
	6					
	7	watapowitijimo	watapowita	watapowiruma	watapowitimo	watapowitima
	8	watawatapowitijimo	watawatapowita	watawatapowiruma	watawatapowitimo	watawatapowitima
	9					
		90	100	200	300	500
29 [30] powi [poʷi]	1	kapowiduma katapowiduma	kapowitebu katapowitebu	kapowirobu katapowirobu	kapowitijubu katapowitijibu	kapowitijimouer/ kapowitimouer katapowitijimouer/ katapowitimouer
	2	katakatapowiduma	katakatapowitebu	katakatapowirobu	katakatapowitijibu	katakatapowitijimouer/ katakatapowitimouer
	3					
	4	quapowiduma quatapowiduma	quapowitebu quatapowitebu	quapowirobu quatapowirobu	quapowitijibu quatapowitijibu	quapowitijimouer/ quapowitimouer quatapowitijimouer/ quatapowitimouer
	5	quaquapowiduma quataquatapowiduma	quaquapowitebu quataquatapowitebu	quaquapowirobu quataquatapowirobu	quaquapowitijibu quataquatapowitijibu	quaquapowitijimouer/ quaquapowitimouer quataquatapowitijimouer/ quataquatapowitimouer
	6					
	7	watapowiduma	watapowitebu	watapowirobu	watapowitijibu	watapowitijimouer/ watapowitimouer
	8	watawatapowiduma	watawatapowitebu	watawatapowirobu	watawatapowitijibu	watawatapowitijimouer/ watawatapowitimouer
	9					

Classifier ↓	form↓	Numeral →				
		5	10	20	30	50
	1	karatijimo	karata	kararuma	karatimo	karatima
	2	karakaratijimo	karakarata	karakararuma	karakaratimo	karakaratima
	3					
	4	quaratijimo	quarata	quararuma	quaratimo	quaratima
	5	[quaquaratijimo] quataquaratijimo quataquataratijimo	quaquarata quataquarata quataquatarata	quaquararuma quataquararuma quataquatararuma	quaquaratimo quataquaratimo quataquataratimo	quaquaratima quataquaratima quataquataratima
	6					
	7	[waratijimo]	warata			
	8	watawaratijimo watawataratijimo	watawarata watawatarata	watawararuma watawatararuma	watawaratimo watawataratimo	watawaratima watawataratima
	9					
30 [3] ra [rʰæ]		90	100	200	300	500
	1	karaduma	karatebu	karatarobu	karatijibu	karatimouer
	2	karakaraduma	karakaratebu	karakararobu	karakaratjibu	karakaratimouer
	3					
	4	quaraduma	quaratebu	quararobu	quaratijibu	quaratimouer
	5	quaquaraduma quataquaraduma quataquataraduma	quaquaratebu quataquaratebu quataquataratebu	quaquararobu quataquararobu quataquatararobu	quaquaratijibu quataquaratijibu quataquataratijibu	quaquaratimouer quataquaratimouer quataquataratimouer
	6					
	7					
	8	watawaraduma watawataraduma	watawaratebu watawataratebu	watawararobu watawatararobu	watawaratijibu watawataratijibu	watawaratimouer watawataratimouer
	9					

Classifier ↓	form↓	Numeral →				
		5	10	20	30	50
	1	karätijimo katarätijimo	karäta kataräta	karäruma katarärua	karätimo katarätimo	karätima katarätima
	2	katakatarätijimo	katakataräta	katakatarärua	katakatarätimo	katakatarätima
	3					
	4	quarätijimo quatarätijimo	quarätata quataräta	quarärua quatarärua	quarätimo quatarätimo	quarätima quatarätima
	5	quaquarätijimo quataquatarätijimo	quaquarätata quataquataräta	quaquarärua quataquatarärua	quaquarätimo quataquatarätimo	quaquarätima quataquatarätima
	6					
31 [28] re/rä [rre]	7	watarätijimo	watarätata	watarärua	watarätimo	watarätima
	8	watawatarätijimo	watawataräta	watawatarärua	watawatarätimo	watawatarätima
	9					
		90	100	200	300	500
	1	karäduma katarädumа	karätebu katarätebu	karärobu katarärobu	karätijibu katarätijibu	karätijimouer/ karätimouer
	2	katakataräduma	katakatarätebu	katakatarärobu	katakatarätijibu	katakatarätijimouer/ katakatarätimouer
	3					

	4	quarăduma quataraduma	quarătebu quatarătebu	quarărobu quatarărobu	quarătijibu quatarătijibu	quarătijimouer/ quarătimouer/ quatarătijimouer/ quatarătimouer
	5	quaquarăduma quataquatarăduma	quaquarătebu quataquatarătebu	quaquarărobu quataquatarărobu	quaquarătijibu quataquatarătijibu	quaquarătijimouer/ quaquarătimouer quataquatarătijimouer/ quataquatarătimouer
	6					
	7	watarăduma	watarătebu	watarărobu	watarătijibu	watarătijimouer/ watarătimouer
	8	watawatarăduma	watawatarătebu	watawatarărobu	watawatarătijibu	watawatarătijimouer/ watawatarătimouer
	9					

Classifier ↓	form↓	Numeral →				
		5	10	20	30	50
	1	katetetijimo	kateteta	kateteruma	katetetimo	katetetima
	2	katakatetetijimo	katakateta	katakateruma	katakatetimo	katakatetima
	3	katakatakatetetijimo	katakatakateteta	katakatakateteruma	katakatakatetetimo	katakatakatetetima
	4	quatetetijimo	quateteta	quateteruma	quatetetimo	quatetetima
	5	quaquatetetijimo quataquatetetijimo	quaquateteta quataquateteta	quaquateteruma quataquateteruma	quaquatetetimo quataquatetetimo	quaquatetetima quataquatetetima
	6	quataquataquatetetijimo	quataquataquateteta	quataquataquateteruma	quataquataquatetetimo	quataquataquatetetima
	7	watetetijimo	watateteta	watateteruma	watetetimotimo	watetetima
	8	watawatetetijimo	watawateteta	watawateteruma	watawatetetimo	watawatetetima
	9	watawatawatetetijimo	watawatawateteta	watawatawateteruma	watawatawatetetimo	watawatawatetetima
		90	100	200	300	500
32 [29] tete/dete [rere]	1	kateteduma	katetetebu	kateterobu	katetetijubu	katetetijimouer/ katetetimouer
	2	katakateduma	katakatetebu	katakaterobu	katakatetijubu	katakatetijimouer/ katakatetimouer
	3	katakatakateteduma	katakatakatetetebu	katakatakateteruma	katakatakatetetijubu	katakatakatetetijimouer/ katakatakatetetimouer
	4	quateteduma	quatetetebu	quateterobu	quatetetijubu	quatetetijimouer/ quatetetimouer
	5	quaquateteduma quataquateteduma	quaquatetetebu quataquatetetebu	quaquateterobu quataquateterobu	quaquatetetijubu quataquatetetijubu	quaquatetetijimouer/ quaquatetetimouer quataquatetetijimouer/ quataquatetetimouer
	6	quataquataquateteduma	quataquataquatetetebu	quataquataquateterobu	quataquataquatetetijubu	quataquataquatetetijimouer/ quataquataquatetetimouer
	7	watateduma	watatetebu	watateterobu	watatetijubu	watetetijimouer/ watetetimouer
	8	watawateteduma	watawatetetebu	watawateterobu	watawatetetijubu	watawatetetijimouer/ watawatetetimouer
	9	watawatawateteduma	watawatawatetetebu	watawatawateterobu	watawatawatetetijubu	watawatawatetetijimouer/ watawatawatetetimouer

Classifier ↓	form↓	Numeral →				
		5	10	20	30	50
	1	kawa₌tijimo katawa₌tijimo	kawa₌ta katawa₌ta	kawa₌ruma katawa₌ruma	kawa₌timo katawa₌timo	kawa₌tima katawa₌ tima
	2	katakatawa₌tijimo	katakatawa₌ta	katakatawa₌ruma	katakatawa₌timo	katakatawa₌ tima
	3					
	4	quawa₌tijimo quatawa₌tijimo	quawa₌ta quatawa₌ta	quawa₌ruma quatawa₌ruma	quawa₌timo quatawa₌timo	quawa₌tima quatawa₌tima
	5	quaquawa₌tijimo [quataquatawa₌tijimo]	quaquawa₌ta quataquatawa₌ta	quaquawa₌ruma quataquatawa₌ruma	quaquawa₌ timo quataquatawa₌ timo	quaquawa₌tima quataquatawa₌tima
	6	quaquaquawa₌tijimo	quaquaquawa₌ta	quaquaquawa₌ruma	quaquaquawa₌ timo	quaquaquawa₌tima
	7	watawa₌tijimo	watawa₌ta	watawa₌ruma	watawa₌timo	watawa₌tima
	8	watawatawa₌tijimo	watawatawa₌ta	watawatawa₌ruma	watawatawa₌timo	watawatawa₌tima
33 [9] wa/wa₌ [wa]	9					
		90	100	200	300	500
	1	kawa₌duma katawa₌duma	kawa₌tebu katawa₌tebu	kawa₌robu katawa₌robu	kawa₌tijibu katawa₌tijibu	kawa₌timouer katawa₌timouer
	2	katakatawa₌duma	katakatawa₌tebu	katakatawa₌robu	katakatawa₌tijibu	katakatawa₌timouer
	3					
	4	quawa₌duma quatawa₌duma	quawa₌tebu quatawa₌tebu	quawa₌robu quatawa₌robu	quawa₌tijibu quatawa₌tijibu	quawa₌timouer quatawa₌timouer
	5	quaquawa₌duma quataquatawa₌duma	quaquawa₌tebu quataquatawa₌tebu	quaquawa₌robu quataquatawa₌robu	quaquawa₌tijibu quataquatawa₌tijibu	quaquawa₌timouer quataquatawa₌timouer
	6	quaquaquawa₌duma	quaquaquawa₌tebu	quaquaquawa₌robu	quaquaquawa₌tijibu	quaquaquawa₌timouer
	7	watawa₌duma	watawa₌tebu	watawa₌robu	watawa₌tijibu	watawa₌timouer
	8	watawatawa₌duma	watawatawa₌tebu	watawatawa₌robu	watawatawa₌tijibu	watawatawa₌timouer
	9					

Classifier ↓	form↓	Numeral →				
		5	10	20	30	50
	1	katawimetijimo	katawimeta	katawimeruma	katawimetimo	katawimetima
	2	katakawimetijimo katakatawimetijimo	katakawimeta katakatawimeta	katakawimeruma katakatawimeruma	katakawimetimo katakatawimetimo	katakawimetima katakatawimetima
	3					
	4	quatawimetijimo	quatawimeta	quatawimeruma	quatawimetimo	quatawimetima
	5	quataquawimetijimo quataquatawimetijimo	quataquawimeta quataquatawimeta	quataquawimeruma quataquatawimeruma	quataquawimetimo quataquatawimetimo	quataquawimetima quataquatawimetima
	6					
	7	watawimetijimo	watawimeta	watawimeruma	watawimetimo	watawimetima
	8	watawawimetijimo watawatawimetijimo	watawawimeta watawatawimeta	watawawimeruma watawatawimeruma	watawawimetimo watawatawimetimo	watawawimetima watawatawimetima
	9					
		90	100	200	300	500
	1	katawimeduma	katawimetebu	katawimerobu	katawimetijubu	katawimetijimouer/ katawimetimouer
34 [33] wime [wiime]	2	katakawimeduma katakatawimeduma	katakawimetebu katakatawimetebu	katakawimerobu katakatawimerobu	katakawimetijubu katakatawimetijubu	katakawimetijimouer/ katakawimetimouer katakatawimetijimouer/ katakatawimetimouer
	3					
	4	quatawimeduma	quatawimetebu	quatawimerobu	quatawimetijubu	quatawimetijimouer/ quatawimetimouer
	5	quataquawimeduma quataquatawimeduma	quataquawimetebu quataquatawimetebu	quataquawimerobu quataquatawimerobu	quataquawimetijubu quataquatawimetijubu	quataquawimetijimouer/ quataquawimetimouer quataquatawimetijimouer/ quataquatawimetimouer
	6					
	7	watawimeduma	watawimetebu	watawimerobu	watawimetijubu	watawimetijimouer/ watawimetimouer
	8	watawawimeduma watawatawimeduma	watawawimetebu watawatawimetebu	watawawimerobu watawatawimerobu	watawawimetijubu watawatawimetijubu	watawawimetijimouer/ watawawimetimouer watawatawimetijimouer/

						watawatawimetimouer
	9					

Classifier ↓	form↓	Numeral →				
		5	10	20	30	50
	1	kawöritijimo katawöritijimo	kawörita katawörita	kawöriruma katawöriruma	kawöritimo katawöritimo	kawöritima katawöritima
	2	katakatawöritijimo	katakatawörita	katakatawöriruma	katakatawöritimo	katakatawöritima
	3					
	4	quawöritijimo quatawöritijimo	quawörita quatawörita	quawöriruma quatawöriruma	quawöritimo quatawöritimo	quawöritima quatawöritima
	5	quaquawöritijimo quataquatawöritijimo	quaquawörita quataquatawörita	quaquawöriruma quataquatawöriruma	quaquawöritimo quataquatawöritimo	quaquawöritima quataquatawöritima
	6					
	7	watawöritijimo	watawörita	watawöriruma	watawöritimo	watawöritima
	8	watawatawöritijimo	watawatawörita	watawatawöriruma	watawatawöritimo	watawatawöritima
	9					
		90	100	200	300	500
35 [23] wöri/wori/wöri [wʌri]	1	kawöriduma katawöriduma	kawöritebu katawöritebu	kawörirobu katawörirobu	Kawöritijibu	kawöritijimouer/ kawöritimouer
	2	katakatawöriduma	katakatawöritebu	katakatawörirobu	katakatawöritijibu	katakatawöritijimouer/ katakatawöritimouer
	3					
	4	quawöriduma quatawöriduma	quawöritebu quatawöritebu	quawörirobu quatawörirobu	quawöritijibu quatawöritijibu	quawöritijimouer/ quawöritimouer quatawöritijimouer/ quatawöritimouer
	5	quaquawöriduma quataquatawöriduma	quaquawöritebu quataquatawöritebu	quaquawörirobu quataquatawörirobu	quaquawöritijibu quataquatawöritjibu	quaquawöritijimouer/ quaquawöritimouer quataquatawöritijimouer/ quataquatawöritimouer
	6					
	7	watawöriduma	watawöritebu	watawörirobu	watawöritijibu	watawöritijimouer/ watawöritimouer
	8	watawatawöriduma	watawatawöritebu	watawatawörirobu	watawatawöritijibu	watawatawöritjimouer/ watawatawöritimouer
	9					

Classifier ↓	form↓	Numeral →				
		5	10	20	30	50
	1	kawüritijimo katawüritijimo	kawürita katawürita	kawüriruma katawüriruma	kawüritimo katawüritimo	kawüritima katawüritima
	2	katakatawüritijimo	katakatawürita	katakatawüriruma	katakatawüritimo	katakatawüritima
	3					
	4	quawüritijimo quatawüritijimo	quawürita quatawürita	quawüriruma quatawüriruma	quawüritimo quatawüritimo	quawüritima quatawüritima
	5	quaquawüritijimo quataquatawüritijimo	quaquawürita quataquatawürita	quaquawüriruma quataquatawüriruma	quaquawüritimo quataquatawüritimo	quaquawüritima quataquatawüritima
	6					
	7	watawüritijimo	watawürita	watawüriruma	watawüritimo	watawüritima
	8	watawatawüritijimo	watawatawürita	watawatawüriruma	watawatawüritimo	watawatawüritima
	9					
		90	100	200	300	500
	1	kawüriduma katawüiduma	kawüritebu katawüritebu	kawürirobu katawürirobu	kawüritijubu	kawüritijimouer/ kawüritimouer
36 [39] wür/wur/wür [wiri]	2	katakatawüriduma	katakatawüritebu	katakatawürirobu	katakatawüritijubu	katakatawüritijimouer/ katakatawüritimouer
	3					
	4	quawüriduma quatawüriduma	quawüritebu quatawüritebu	quawürirobu quatawürirobu	quawüritjubu quatawüritijubu	quawüritijimouer/ quawüritimouer quatawüritijimouer/ quatawüritimouer
	5	quaquawüriduma quataquatawüriduma	quaquawüritebu quataquatawüritebu	quaquawürirobu quataquatawürirobu	quaquawüritijubu quataquatawüritjubu	quaquawüritijimouer/ quaquawüritimouer quataquatawüritijimouer/ quataquatawüritimouer
	6					
	7	watawüriduma	watawüritebu	watawürirobu	watawüritijubu	watawüritiimouer/ watawüritimouer
	8	watawatawüriduma	watawatawüritebu	watawatawürirobu	watawatawüritijubu	watawatawüritijimouer/ watawatawüritimouer
	9					

25.14. Examples of the Classificatory Distributive Numeral.

819.
wo karuraij NG171
2S.DEP CAUS+CL30[3]+APPL
make two flat halves [Kayser]
[Kayser (NG8) makes this observation regarding Classifier 30[3] objects presenting a flat surface:

"object that have been cut up, halved, emptied which before this operation presented a whole aspect but now presents a surface or a hollow aspect as: ini eran, the half of a coconit; iju eran, half of a fish; etabuike eran, a stick split lengthwise; iwur eran, an empty vessel."]

820.
mar [sic; mwar] karoeij [sic; karuoeij] ko NG171
2D.DEP CAUS+CL27[6]+APPL COMM
you two, two objects of the plant kingdom each + Applicative Suffix
[Kayser: you two make it by sticks in twos]

821.
mar [sic; mwar] okatemaeij ko NG171
2D.DEP CAUS+CL 21[4]+APPL COMM
you two, two large parts each + Applicative Suffix; halve it
[Kayser: you two, make two of it]

822.
ma [sic; mwa] okaratebueij wamie itüber NG171
2P.DEP CAUS+CL30[3]+one.hundred+APPL RPOS+2P.POS AB+mat
you, one hundred flat objects each + Applicative Suffix, your mats
[Kayser: put your mats together by hundreds]

823.
ma [sic; mwa] gadauw kö iwür inon ma [sic; mwa] kararuma NG171
2P.DEP prepare COMM AB+vessel some 2P.DEP CAUS+CL30[3]+twenty
[you, prepare some vessels - you twenty empty ones each
Note: CL30[3] used for empty vessels, as against CL36[39] used for filled vessels

824.
ör earä eaṅog inon ör kateijitimo NG171
3D.DEP write AB+word some 3D.DEP CAUS+CL11[7]+thirty
both of them wrote some words, they two thirty words each

825.
areij onuwaw ebäni areij kabäruma NG171
3T.DEP remove AB+coconut.leaf 3T.DEP CAUS+CL3[8]+twenty
they three removed coconut tree leaves, they three twenty coconut leaves each

826.
ma [sic; mwa] katakä nimän NG171
2P.DEP CAUS+one+CL20[21] drink+3sGER
you, one little part each, the drinking of it/you, drink a little bit each]

827.
mieij kararuma NG171
2T.DEP CAUS+CL30[3]+twenty
you three, twenty objects presenting a flat surface each

828.
ma [sic; mwa] tubaṅeij kö wamie imin mö ökatemae NG:171
2P.DEP share+APPL COMM RPOS+2P.POS AB+thing & 3S.DEP+CAUS+one+CL21[4]
you, divide up your things, and one part each

829.
amar i ta katakä NG185
1DEXC.DEP only CAUS+one+CL20[21]
we two, only one little part each

830.
ma [sic; mwa] inan karakarura wa̲mie NG216
2P.DEP UNR CAUS+RED+two+CL30[3] RPOS+2P.POS
you will (put) two objects presenting a flat surface each, your belongings
[Kayser: put your mats together in twos]

831.
ma [sic; mwa] inan karakarabä ian amie o̲epoij NG216
2P.DEP UNR CAUS+RED+two+CL3[8] in+3S.POS GPOS+2P.POS FAC+gather.up+APPL
you will (bring) two coconut fronds each in your gathering up
[Kayser: bring the coconut leaves together in twos]

832.
mar [sic; mwar] karura obwän minaraoa waṅa wür NG217
2D.DEP CAUS+two+CL30[3] before+3S.POS NEI+four+CL30[3]+MED RPOS+1S.POS vessel
you two, (take) two each from those four (empty) vessels of mine
Note: CL30[3] used for empty vessels, as against CL36[39] used for filled vessels

833.
mar [sic; mwar] karowür obwän minawüroa waṅa bija NG217
2D.DEP CAUS+two+CL36[39] before+3S.POS NEI+four+CL36[39]+MED RPOS+1S.POS lagoon.fish [milkfish]
you two, (take) two each from those four vessels full of my lagoon fish

834.
mar [sic; mwar] nuwa me katijubuer karabuer ea me erokogo oa'[72] rawö NG218
2D.DEP go & CAUS+three+CL6[32] CAUS+two+CL6[32] to 1S.DAT AB+*erekogo* food+CONS pet+1S.POS
you two , go and (collect) two or three basketsful each for me, wild beans, food for my pet

835.
ma [sic; mwa] katakatebuer bät me ma [sic; mwa] ina'[72] raṅada bu'i nan ewuina NG218
2P.DEP CAUS+RED+one+CL6[32] also & 2P.DEP UNR cease for UNR suffice
you, (bring) also one basketful each and you will stop because it will be sufficient

836.
ma [sic; mwa] katebümit[21] egän amie büm in mogur?
2P.DEP CAUS+NP.CL5[11]+CONS how.many GPOS+2P.POS day CONS work
ma karakarabüm NG218
1PEXCL.DEP CAUS+RED+two+CL5[11]
you, how many days each have you been working? you, how many days each, your days of working? we, two days each

837.

ean quañot ibũm rõ kekepo tekei aruwõri ebakin brot,
on+3S.POS CAUS+six+CONS AB+day 3p CAUS+RED+gather.up like two+CL35[23] numerous+CONS bread
rõ karakarowũr õañara iat[64] omer Ex 16:22
3P.DEP CAUS+RED+two+CL35[39] content+3P.POS in+3S.POS omer
on the sixth day, they gathered up according to twice the amount of bread, they (gathered up) two bowls full each, their contents by the homer

838.

enimõ dako me enim karura ian Ex 28:16
3S.DEP+MOD square & 3S.DEP+MOD CAUS+two+CL30[3]
it should be square and should (have) two flat objects (flat sides) each in it

839.

eman memak re nim katijuwõri aũra õmeata ũra Ex 34:23
AB+male all 3P.DEP MOD CAUS+three+CL35[23] GPOS+3P.POS bring.out 3P.IND
all males, they should three occasions each their showing themselves (per year)

840.

oquita emainibe araquit erra memak mõ õkaton mõ õkatemae
3S.DEP+CAUS+ten AB+cubit long+CONS AB+plank all & 3S.DEP+CAUS+one & 3S.DEP+CAUS+one+CL21[4]
emainibe reabit erra memak Ex36:21
AB+cubit wide+CONS AB+plank all
ten cubits each the length of all the boards and a cubit and a half each the breadth of all the boards

841.

barũ ewew atsin itũrũra, katakatemae tekei eiwin a aũra wak etõñũra
take staff from+3S.POS alongside+3P.POS CAUS+RED+CL21[4] like fitting to GPOS+3P.POS house father+3P.POS
memak,amaeta ma aro ewew Nu 17:2
all NP+CL21[4]+ten & two staff
take a staff from them, one (staff) each as it befits the houses of all their father, twelve staffs

842.

eñame memak re eaij wañara rat imin erõ katakatara Judg 9:49
AB+person all 3P.DEP cut GPOS+3P.POS branch+CONS AB+thing 3S.DEP+grow CAUS+RED+two+CL30[3]
everyone cut their branches, one each

843.

õten, ñain Jesse nan katakateb a gamiã eb me eñan vitis 1Sa 22:7
QT child+CONS Jesse UNR CAUS+RED+CL10[15] to 2P.IND land & place+CONS vine
will the son of Jesse give you one parcel of land each and vineyard?

844.

o[30] oija Israel memak...katakatamwari duwen mo katakatemae
--- give.to Israel all CAUS+RED+one+CL23[22] flesh+3S.POS & 3S.DEP+ CAUS+RED+one+CL21[4]
akeweõin wein 2Sa 6:19;1 Chr 16:3
measure+CONS wine
he gave to all Israel...a large piece of meat each, and half a measure of wine each

845.

e ij barõra katara 2Sa 10:4
3S.DEP shave beard+3P.POS CAUS+one+CL30
he shaved their beards one each/he shaved each one's beard

846.

mõ õkatamae eõab ean matijũñen memak 1Ki 7:34
& 3S.DEP+CAUS+four+CL21[4] AB+support on+3S.POS corner+3S.POS all
and four each the handles on all the corners of its four stands

847.

mõ õkatakatara tab animwen mũñana ata eñamwin 1Ki 7:38
& 3S.DEP+CAUS+RED+one+CL30[3] basin atop+3S.POS NEII+MED.P ten AB+base
and an empty basin each atop the ten bases

848.

kararre quan rimmon ean mururaõa ikibõñ 1Ki 7:42
CAUS+two+CL31[28] fruit+CONS rimmon on+3S.POS NEII+two+CL30[3]+MED AB+network
two rows each fruit of *rimmon [pomegranate]* on those two flat objects, networks
[there are two rows each of pomegranate carvings on the two lattices]

849.

ar ta megeda ar katara tron 2Chr 18:9
3D.DEP only sit.down 3D.DEP CAUS+ONE+CL30[3]
they two were sitting each one on his throne

850.

rõ bõñeõn mõra bõra karura, mõ rõ bõñeõn nanõra karura,
3P.DEP cover+COM eye+3P.POS hand+3P.POS CAUS+two+CL30[3] & 3P.DEP cover+COM foot+3P.POS CAUS+two+CL30[3]
mõ rõ õeta ean karura Is 6:2
& 3P.DEP fly on+3P.POS CAUS+two+CL30[3]
they cover their faces with their wings (in context), two each, and they cover their feet, two (wings) each, and they fly with two (wings) each

851.

rõ katakat'ara mõra mõ rõ katakat'ara bõra n õeta Eze 1:6
3P.DEP CAUS+RED+four+CL30[3] eye+3P.POS & 3P.DEP CAUS+RED+four+CL30[3] hand+3.P.POS CONS fly
they (had) four faces each and they (had) four wings each
Note: the approstrophe is an orthographic convention to distinguish it from 'katakatara' , CAUS+RED+one+CL30[3]

852.

ã je-õepoi bõra karakarura memak me bõra karakarura
3S.DEP join+FAC+gather.up+APPL hand+3P.POS CAUS+RED+two+CL30[3] all & hand+3P.POS CAUS+RED+two+CL30[3]
õbõñe rabatara Eze 1:11
3S.DEP+cover body+3P.POS
all their wings (in context) were joined together two each (in pairs) and their wings (in context)) two each/in pairs covered their bodies

853.

õ pan a ũra bwe re nim eõ õbũ imin ñana bait idũgidugo ia aiquen,
3S.DEP speak to 3P.IND for 3P.DEP MOD NEG take AB+thing E+MED.P object+CONS AB+walk COND one
mi ta ewew katemae Mark 6:8
& only AB+staff CAUS+one+CL21[4]
he told them that they should not take objects relating to walking except one, just one staff each

854.

me megeduen ngabuna eren o eren me ro gatubu gatore
& sit.up+PERF E+ANIM.P+MED INDF+31[28] FV INDF+CL31[28] & 3P.DEP CAUS+hundred CAUS+one+CL31[28]
me gatima gatore Mark 6:40 1976
& CAUS+fifty CAUS+one+CL31[28]
and those ones then sat up row by row, they (grouped) one hundred each one row each and fifty each one row each

855.

mwa omamegedu ko ura me otate urangin[47] gadagatima Lu 9:14 1976
2P.DEP FAC+sit.up+RED COMM 3P.IND & arrange+RED 3IND+VNI+CONS CAUS+RED+fifty
make them sit up and arrange them by fities

856.

amwa teñ ibibõki katũbũm ean iaõin John 5:35
2P.DEP want rejoice CAUS+one+CL5[11] on+3S.POS light+3S.POS
you willing to rejoice in his light one day each

857.

re baru mungana an karawin ro bwa me ro gatae John 19:23 1976
3P.DEP take NEII+MED.P GPOS+3S.POS clothing 3P.DEP tear & 3P.DEP CAUS+CL1[16]
they took his clothes (and) they tore (them) and they (took) one piece of clothing each

858.

ro gatagatarat harpe me iwur ngana gold Rev 5:8 1976
3P.DEP CAUS+RED+CL30[3]+CONS harp & AB+bowl E+MEDP gold
they (had) one each harps and a golden bowls

859.

mwa oredoana ko eita mungana eita oiya kamie me
2P.DEP FAC+return+APPL2+to COMM female+MED NEII+MED.P female+MED give.to 2P.IND &
mwa okorowuri [sic: okaruwori] a ko pumwen mungana barueb ben;
2P.DEP FAC+CAUS+two+CL35[23] to COMM price+3S.POS NEII+MED.P service+3S.POS
muwurina eita idon a kamie mwa okorowuri [sic: okaruwori]
NEII+CL36[39]+MED female+MED pour to 2P.IND 2P.DEP FAC+CAUS+two+CL35[23]
a ko idonangen[47]! Rev 18:6 1976
to COMM pour+to+VNI+3S.GER
give back to her those things she gave you and make two times each of the cost of her service; that full cup she poured out to you, make two times each its being poured out to her/double the cost of her service; that full cup she poured out to you, double the pouring out to her

860.

eäb e nüm katakatañä omeataät imin müñan e timitimor Nuw 1:6
land 3S.DEP MOD CAUS+RED+one+CL26[27] bring.out+3S.GER AB+thing NEII+P+ 3S.DEP live+RED
the land, it should one species each the bringing forth of these living creatures/let the land bring forth one species each of living creatures

861.

A mi ñana añ katakatapowi quorän wara oän weizen Nuw 18:2
1S.DEP dream E+MEDP 1PINCL+DEP CAUS+RED+one+CL29[30] bind+3S.GER RPOS+1PINCL.PO stalk+CONS wheat
I dreamt that we (made) one bundle (sheaf) each, the binding of our wheat plants

862.

ma [sic; mwa] kaijöt ko nuwawi'[72] renemiü! a mi ngana añ katakatapowi
2P.DEP hear COMM concerning+3S.POS dream+1S.POS 1S.DEP dream E+MED.P 1PINCL+DEP CAUS+RED+one+CL29[30]
quorän wara oän weizen Nuw 18:2
bind+3S.GER RPOS+1PINCL.POS stalk+CONS wheat
listen to my dream! I dreamt that we (made) one bundle (sheaf) each, the binding of our wheat plants

863.

Pharao ämuin[29] memag ñabüna eamän o kabuijäe me mibüna bät
Pharaoh call all E+ANIM.P+MED AB+men+CONS 3S.DEP magic & NEII+ANIM.P+MED also
me ro maneij aüra äwäw bue re nüm katemae schlange Nuw 32:1
& 3P.DEP wise+APPL GPOS+3P.POS staff for 3P.POS MOD CAUS+one+CL21[4] serpent
Pharao called all the magic practicers and those ones put spells on their staffs so that they should (become) each one a serpent

864.

re nüm quor bät uwugagaiüra me schuheij nanöra me babueijiow
3P.DEP MOD bind also middle+3P.POS & shoe+APPL foot+3P.POS & clutch+APPL+DIR
inibääöra katakatemae äwäw Nuw 33:3
LOC+hand+3P.POS CAUS+RED+one+CL21[4] staff
let them also bind up their loins and shoe their feet and clutch in their hands one staff each

865.

torer a ko ñabüna oniñ in Israel me wo katamaedan ean aüra
speak to COMM E+ANIM.P+MED young CONS Israel & 2S.DEP CAUS+one+CL21[4]+DIR1+DIR8 on+3S.POS GPOS+3P.POS
äwäw ñabüna ñaben aroöät[27] añamä, amaeta m aro atebin, me wo nan
staff E+ANIM.P+MED old+CONS tribe+CONS person NP+CL21+ten & two number+3 S,POS & 2S.DEP UNR
katakaton earaän ägen ñabüna wo barü an äwäw Nuw 43:5
CAUS+RED+one write+3S.GER name+3S.POS E+ANIM.P+MED 2S.DEP take GPOS+3S.POS staff
speak to the children of Israel and you, (take) one each out of the staffs of the elders of the tribes of the people, twelve in number, and you must write one each the names of the staffs you took

866.

amäbüna an karig amärumena ngain Josef, ngarumena
male+ANIM.P+MED GPOS+3S.POS CAUS+create male+two+ANIM+MED child+CONS Joseph E+two+ANIM+MED
Ephraim me Manasses, ro katäb äb Nuw 47:6
Ephraim & Manasseh 3P.DEP CAUS+one+CL10[15] land
the progeny of the two sons of Joseph, those two Ephraim and Manasseh, they (took) one parcel of land each

867.

amäbüna ran aquona ro warawar me ro katakateij aäörañ in
male+ANIM.P+MED branch+CONS canoe+MED 3P.POS cry.out & 3P.POS CAUS+RED+one+CL11[7] voice+3P.POS+VNI CONS
opum ägen ñabüna wañara gott Nuw 68:2, 27
FACT+holy name+3S.POS E+ANIM.P+MED RPOS+3P.POS god
the boat's crew cried out and they (made) one expression each to sanctify the name of their gods

868.

tin iö a öquiawieij eañamä ion iat[21] imit[27] ot[21] imit[27] on me a tük
COND 1S.DEP deceive+APPL AB+person INDF in+3S.POS AB+thing INDF AB+thing INDF & 1S.DEP yet
örädoan añen[43] wan imin me a kataworidan ean NuwNT 57:5
FAC+return+APPL2 to+PERF RPOS+3S.POS AB+thing & 1S.DEP CAUS+one+CL35[23]+DIR10 on+3S.POS
if I deceived any person in anything, yet I have already made a return to him of his things, and I (gave) four times each out of it/I gave fourfold

869.

ro muitöñ ñaga ro kaijöt aäöra, bue ro raij a üra añögen
3P.POS astonish TEMP+MED 3P.POS hear word+3P.POS for 3P.DEP cast to 3p word+CONS
ubuiöra katakate NuwNT82:4
home+3P.POS CAUS+RED+one+CL11[7]
they were amazed when they heard their voices because they uttered to them speech of their homelands, one utterance each

870.

e mäg ian mürana memag örit imin o gökörö ñana katara
3S.DEP dwell in+3S.POS NEII+CL30[3]+MED all kind+CONS AB+thing 3S.DEP run+RED E+MED.P CAUS+four+CL30[3]
nanan NuwNT90:3
foot+3S.POS
there were in it all kinds of animals, those (*having)* four feet each/quadrupeds

26. ORDINAL NUMERALS

The Nauruan language at the time of European contact had no Ordinal Numeral system.

Kayser makes the following observation (Nauru Grammar, page 74):

"There is no ordinal numeral in Nauruan nor even the notion of it. An object in a row will be pointed out by using the cardinal numeral joined with a designating clause.

E.g.

Pass me the ninth book on the row – äräruweij a me kö mürana tebook auju pagon – literally, pass me the book eight on his sea-side (pointing to the ninth)."

The Missionaries co-opted the distributive forms of the numerals and adapted them for use as ordinal numbers, but these ran alongside the original circumlocution of Nauruan, 'the X that is X number'.

This adaptation may have been influenced by Missionaries knowledge of Kiribati or Marshallese, which both use the causative prefix *ka-* for ordinal numbers. The first missionary to Nauru (circa 1887) was Pastor Tabuia from the Gilbert Islands (Kiribati), and one of the main translators of the Nauruan Bible was the future head chief of Nauru, Timothy Detudamo, who is recorded as being "a gifted linguist who spoke German, English, Gilbertese and Marshallese" (Karl HM Rensch 1993, p.V). And there was at least one Marshallese couple in early colonial years (Lajanar and Neibaj) administering a mission school at Ewa (Karl HM Rensch 1993, p.III).

So, the adapted ordinal is usually in the form

distributive numeral + construct

and where it qualifies a noun, it precedes the noun.

Examples:

871.
ekararre ei...ekatijõrre ei..ekatarre ei...Ex 28:18-20
AB+CAUS+two+CL31 3S.IND…AB+CAUS+three+CL31 3S.IND…AB+CAUS+four+CL31 3S.IND
the second row is…the third row is…the fourth rowis…

872.

me an bowab ei Amnon..me ebuen ei Chileab..me katijimen ei Absalom..
& GPOS+3S.POS firstborn 3S.IND Amnon & ext-in-line 3S.IND Chileab & AB+CAUS+three+ANIM 3S.IND Absalom
me ekatamen ei Adonia.. me ekatimo ei Sephatja.. me equaño ei
& AB+CAUS+four+ANIM 3S.IND Adonijah & AB+CAUS+five 3S.IND Shephatiah & AB+CAUS+six 3S.IND
Jethream 2Sa 3:2 – 5
Jethream
and his firstborn was Amnon…and the next in line was Chileab…and the third was Absalom…and the fourth was Adonijah…and the fifth was Shephatiah…and the sixth was Jethream]

873.

katamen it ekaiwedu..katijimot ekaiwedu..quañot ekaiwedu..quaeiut ekaiwedu..quaojut ekaiwedu..quadot ekaiwedu..quitait ekaiedu..quita ma aiquenit ekaiwedu..quita ma arumenit ekaiwedu 1Chr 27:7 – 15
the fourth captain…the fifth captain…the sixth captain…the sevenmth captain…the eigth captain…the ninth cptain…the tenth captain…the eleventh captain…the twelfth captain

874.

mõ[30] õ õaweijida n kei ean karabũmin karon maraman ean
--- start CONS CAUS+build on+3S.POS CAUS+two+CL5+CONS CAUS+two+CONS month on+S.POS
kataeoqin an obweni n moniba 2Chr 3:2
CAUS+four+CONS GPOS+3S.POS year CONS rule
and he began to to cause the building on the second day of the second month in the fourth year of his rule

875.

eat ekatawõri n ober anũbũmin Matt 14:25
on+3S.POS AB+CAUS+four CONS guard ADV+night+CONS
on the fourth watch at night

876.

e tik meta ean katijut[64] stunde Matt 20:3
3S.DEP yet go.out on+3S.POS CAUS+three+ CONS hour
and he again went out on the third hour

877.

ngaga meta ean gatiworit aua Matt 20:3 1976
TEMP+MED go.out on+3S.POS CAUS+three+CL35[24]+CONS hour
when he went out on the third hour
[unusually, CL35[23] is used here]

878.

etuk meta ean kwangon me kwadot aua Matt 20:5 1976
3S.DEP+yet go.out on+3S.POS CAUS+six+CONS & CAUS+nine+CONS hour
he came out again on the sixth and ninth hour

Alternatively, it can appear in the form

N + relativizer + distributive numeral [+construct]

Examples:

879.
ekaiwa ñea ekataeoq Jos 19:17
AB+lot E+MED AB+CAUS+four
the fourth lot (ast)

880.
bita maraman ñea equaeiu 2Chr 7:10
NEIII+MED month E+MED AB+seven
the seventh month

26.1. The Ordinal "first"

For the ordinal "first", the corresponding distributive numeral is not used, rather recourse is made of the word '*adamonin',* "in the beginning of it" – see NG:192

This word is presumably derived from

an- Adverbial Prefix + **ę amo* (unattested form of *amo*, "first, in front")

> **atamo/adamo*
[in accordance with Nauruan phonological process of denasalization]

Examples:

881.
tsin ia re eõ kaiõt aen adamonit itema ri nan eraban
COND 3P.DEP NEG hear word+3CONS in.beginning+CONS AB+sign 3P.DEP UNR obey
aen karuworit itema
word+CONS CAUS+CL35[23]+CONS AB+sign
if they do not listen to the word of the first sign they will obey the word of the second sign

882.
wo nim õtate epe ean me eke arre aũra gate;
2S.DEP MOD set+RED AB+stone on+3S.POS & make four+CL31[28] GPOS+3P.POS CAUS+set
ñarren adamonin ei sarder….Ex 28:17
E+CL31+ in.beginning+CONS 3S.IND sardius
you should set in place on it and make four rows their settings; the row which is first is sardius…

883.
bitune eiy bita edogor ngea magit egaganedo me ngea
NEIII+PROX 3S.IND NEIII+MED AB+command E+MED end+CONS AB+significant & E+MED

884.
adamonit edogor Matt 22:28
in.beginning+CONS AB+command
this is the most important command and the first command

The basis for the word ‘adamonin’, i.e. ‘amo’, is at times used for ‘first’.

Examples:

885.

emeta amo ñune Ge 38:28
3S.DEP+go.out first E+PROX
this one came out first

26.2. Verbalization of the Ordinal Numeral.

As with other Nauruan words, the Ordinal Numeral can be verbalized.

Example:

886.
bwõ kai quitaiten naga stunde John 1:39
for maybe CAUS+ten+CONS+PERF directly hour
for maybe it was already the tenth hour

26.3. Birth Order Ordinals

Nauruan had specific words for the order of the birth of offspring :

first-born	*bowab : pouwab*
second-born,or next in line	*ebuen **
neither second nor last-born	*kanugaga*
last-born, or youngest	*kanimũr : kanimur: kanimür*

Note:

* ebuen is not restricted to offspring, but is used also in the general sense of next-in-line

27. Fractional Numerals.

According to Kayser (NG75), the Nauruan language of pre-colonial days did not have a developed vocabulary to express fractions.

The traditional partitioning of fish into quarters was embodied in Classifier 9, but meant specifically “quarter part of fish (traditional culture)”.

The concept of “half” was coveyed by forms of Classifier 21 (the classifier used for groupings or parts).

For religious purposes in translating sacred texts, the missionaries and their assistants used a periphrasis expanding the use of “parts” and Classifier 21.

For the Bible (1918) the periphrasis is:

x part of X

(where x represents the number of equal parts, and X represents how many parts make up a whole).

Example:

887.
aiquen main aijimo quan weizen Gen 47:24
one part+CONS five fruit+CONS corn
a fifth (one part of five) of the fruit of the corn

Also used in the 1918 Bible is an abbridged form of this construction, when relating to one part of a whole (one tenth).

Examples:

888.
tsin iõ õrengo main ata ean, inan tik oñũen Is 6:13
COND 3S.DEP+remain part+CONS ten on+3S.POS UNR yet burn.up+PERF
and if there remain a tenth part out of it, it will also be consumed

In the 1976 New Testament a slightly different periphrasis is found making use of Classifier 21 (the classifier used for groupings or parts), i.e.

x+CL21 on+3s [DEM]+X+CL21[+LOC] part of

or similar

where x represents the number of equal parts, X represents how many parts make up a whole, CL21 is the classifier used for groupings or parts, DEM represent an optional element associated with the demonstratives, LOC represents a locational element.

889.

me metan ruwiruwot[21] eb ion ouwak ean aua ia[14] me meiwidun aimaen
& come.out+PERF quake+CONS land INDF big on+3S.POS hour MED & fall.down+DIR11 one+CL21[4]
ean mungana amaetae maein bita dagaoa Rev 11:13
on+3S.POS NEII+MED.P NP.CL21[4]+ten+FV part+CONS NEIII+MED town
and a great earthquake occurred in that hour and a tenth of the city collapsed (or one part from among the ten parts, parts of the city, collapsed

27.1. Use of Classifier 21[4] for "half".

As previously mentioned, to express "half", recourse is made to the indefinite pronoun of Classifier 21[4].

Examples:

890.

ring in bodit eñame ñea gold ñea emaen schekel roin Gen 24:22
ring CONS nose+3CONS AB+person E+MED gold E+MED INDF+CL21[4] shekel heavy+3S.POS
a nose-ring of gold a half shekel its weight

891.

Moses ebarũ emaen arara me eidotu ian iwũr in ũmwin; mõ õrareõn
Moses 3S.DEP+take INDF+CL21 blood+3P.POS & 3S.DEP+pour.out in+3S.POS AB+vessel CONS [---] & sprinkle+COM
animwet dagarae emaen arara Ex 24:6
atop+3S.POS altar INDF+CL21[4] blood+3P.POS
and Moses took half their blood and poured it out into vessels for [---] and sprinkled atop the altar half of their blood

892.

aro me emaet emainibe araquin, me aiquen me emaet[21] emainibe reabin,
two & INDF+CL21[4] AB+cubit one & one & INDF+CL21[4] AB+cubit wide+3S.POS
me aiquen me emaet[21] emainibe godaũn Ex 25:10
& one & INDF+CL21[4] AB+cubit high+3S.POS
two and a half cubits its length, a cubit and a half its width, and a cubit and a half its height

893.

aiquen me emaet[21] emainibe reabit erra eran Ex 26:16
one & INDF+CL21[4] AB+cubit wide+3S.POS AB+board INDF+CL30[3]
a cubit and a half the breadth of a board

894.

eririñ lade atsin eat edabwike ñana akazia: ion me emaet[21] emainibe araquin
3S.DEP+do ark from+3S.POS on+3S.POS AB+timber E+MED.P acacia INDF & INDF+CL21[4] AB+cubit one
he made the ark of acacia timbers: one and a half cubits its length
Ex 37:1

895.

mõ õbaiwõñ emaen eat[21] erũrũn Ex 38:4
& 3S.DEP+reach INDF+CL241[4] on+3S.POS middle+3S.POS
and it reached half on its middle/halfway up its middle

896.

aiquen main atain epha…emaen ijoran me emaen ijemerõ Le 6:20
for one part+CONS ten+CONS ephah INDF+CL21[4] in.the.morning & INDF+CL21[4] in.the.evening
a tenth of an ephah…half of it in the morning and of it in the evening

897.

atibun enim eõ ekei ion ñea ema, ñea ã õt[21] emaet[39] duwen
ateb+PROX 3S.DEP+MOD NEG make+3S.IND INDF E+MED 3S.DEP+die E+MED 3S.DEP eat INDF+CL21[4] flesh+3S.POS
ñag o pudun ian bũriõũt[21] inen Num 12:12
E+TEMP+ 3S.DEP fall+DIR8 in+3S.POS innards+CONS mother+3S.POS
let her not become one who is dead, the one who half its flesh is eaten when it is born from its mother's womb
[obscure Hebrew. In context, Moses sister Miriam is afflictd with leprosy, and Moses pleads that although stricken with leprosy she not be as one who is dead, like a miscarried child is born not fully developed]

898.

amwaimõ barũ atsin eat[21] emaen ñea dũbañũra…ma atsin eat[21] emaen
2P.DEP+MOD take from+3S.POS on+3S.POS INDF+CL21[4] E+MED share+3P.POS & from+3S.POS on+3S.POS INDF+CL21[4]
ñamana wõt[21] ibwibwin Israel Num 31:29,30
E+CL21+MED RPOS+3S.POS grandchild+RED+CONS Israel
take from the half that is their portion…and from the half, that portion belonging to the descendents of Israel

899.

ogen bet ie ema emaen, re eab ekeiduwen gama 2Sa 18:3
finish+PERF also COND 3S.DEP+die INDF+CL21[4] 3P.POS UNR.NEG care.for 1PEXC.IND
even if half die, they will not care for us

900.

ã eõ pan ame emaen 1Ki 10:7
3S.DEP NEG tell to+1S.DAT INDF+21[4]
they have not told me the half

991.

tsin ia[9] wo ome emaen in am wak, A eab edegeriw 1Ki 13:8
COND 2S.DEP give.to+1S.DAT INDF+CL21[4] CONS GPOS+2S.POS house 1S.DEP UNR.NEG follow+2S.OBJ
if you give me half of your house, I will not follow you

992.

Israel rõ baõ me re eken arumae: bwe emaen it[2] eñame re edegeri Thibni…
Israel 3P.DEP break & 3P.DEP make+PERF two+CL21[4] for INDF+CL21[4] CONS AB+person 3P.DEP follow Tibni
me emaen edegeri Omri 1Ki 16:21
& INDF+CL21[4] follow Omri
Israel [the nation] they split and they became two parts; for half of the people followed Thibni…and half followed Omri

993.

ã eõ pan ame emaen in kaganadon manũm 2Chr 9:6
3S.DEP NEG tell to+1S.DAT INDF+CL21[4] CONS important+CONS wise+2S.POS
they have not told me the half of the greatness of your wisdom

994.
me epoda mũrana eoror ea emaen in godaũn Ne4:6
& gather.up NEII+CL30[3]+MED AB+wall to INDF+21[4] CONS high+3S.POS
and the wall was gathered together to half of its height

995.
emaen in aeõ name re ririñ aũra makur me emaen in ũra rõ
INDF+21[4] CONS GPOS+1S.POS person 3P.DEP do GPOS+3P.POS work & INDF+CL21[4] CONS 3P.IND 3P.DEP
õgõg ekado atsin ean an tsiõda equan ea an tsiõda edetañ Ne 4:21
hold AB+spear from+3S.POS on+3S.POS GPOS+3S.POS rise.up AB+sun to GPOS+3S.POS rise.up AB+star
half of my servants did their work and [the other] half of them, they held the spears from the rising of the sun until the rising of the stars

996.
mi nan berekanae etowedũdũ ñea Olivet ijugagait[27] ada apoe[73] me eadu apago[73]…
& UNR split AB+mountain E+MED Olives middle+3S.POS upwards inland and downwards at.the.beach
me emaen it etowedũdũ nan ñow edõgen apwewa[73] me emaet[27] aeow edõgen
& INDF+CL21[4] CONS AB+mountain UNR go side+3S.POS at.pwewa & INDF+CL21[4] towards side+3S.POS
apwijuw[73] Zech 14:4
at.pwijuw
and the Mount of Olives will be split in the middle (i.e. split in two/split in half), from *eas*t to *west*…and half of the mountain will go on the *north* side and half towards the *south* side]

997.
me metat eo mumwi eow ian oeron kaiya ean emaet[21] aua Re 8:1 1976
& go.out+PERF NEG noise DIR in.heavens maybe on+3S.POS INDF+CL21[4] AB+hour
and a silence occurred in heaven for about half an hour

998.
ean aijubũm me emaen Rev 11:9
on+3S.POS three+CL5[11] & INDF+CL21[4]
for three days and a half

999.
ean aiyubum me emaet[21] ibum Rev 11:9 1976
on+3S.POS three+CL5[11] & INDF+21[4] AB+day
for three days and half of a day

And so, too, in a distributive sense, e.g.

see 811.
oquita emainibe araquit erra memak mõ õkaton mõ õkatemae emainibe
3S.DEP+CAUS+ten AB+cubit long+CONS AB+plank all & 3S.DEP+CAUS+one & 3S.DEP+CAUS+one+CL21[4] AB+cubit
reabit erra memak Ex 36:21
wide+CONS AB+board all
ten cubits each the length of all the boards and a cubit and a half each the breadth of all the boards

see 814.
mõ õkaton mõ õkatemae emainibe reabũra Ez 40:42
& 3S.DEP+CAUS+one & 3S.DEP+CAUS+CL21[4] AB+cubit broad+3P.POS
and a cubit and a half each their breadth

see 844.
o[30] oija Israel memak...katakatamwari duwen mo katakatemae
--- give.to Israel all CAUS+RED+one+CL23[22] flesh+3S.POS & 3S.DEP+ CAUS+RED+one+CL21[4]
akeweõin wein 2Sa 6:19;1 Chr 16:3
measure+CONS wine
he gave to all Israel...a large piece of meat each, and half a measure of wine each

1000.
oquita emainibe araquit erra memak, mõ õkaton mõ õkatemae emainibe
CAUS+ten AB+cubit long+CONS AB+board all & 3S.DEP+ CAUS+one & 3S.DEP+CAUS+one+CL21[4] AB+cubit
reabit[21] erra memak Ex 36:21
wide+3s AB+board all
ten cubits each the length of all the boards, and one and a half cubits each its width of all the boards

1001.
ma [sic; mwa] tubañeij kö wamie imin mö ökatemae NG:171
2P.DEP share+APPL COMM RPOS+2P.POS AB+thing & 3S.DEP+CAUS+one+CL21[4]
divide your things and (give) a half each

27.2. Use of Classifier 30[3] for "half".

Where two flat surfaces result through halving, Classifier 30[3] can be used.

Kayser (NG8) makes this observation regarding the use of Classifier 30[3] objects presenting a flat surface:

"objects that have been cut up, halved, emptied which before this operation presented a whole aspect but now presents a surface or a hollow aspect as: ini eran, the half of a coconit; iju eran, half of a fish; etabuike eran, a stick split lengthwise; iwur eran, an empty vessel."

Examples:

1002.
e barũ mũñane me e detow ũra me eke eran o eran
3S.DEP+take NEII+PROX.P & 3S.DEP cut 3P.IND & make INDF+CL30[3] FV INDF+CL30[3]
mõ õtate ũra Ge 15:10
& lay.out+RED 3P.POS
he took all these (*sacrificial animals)* and cut them and made one flat surface by one flat surface/halved them and laid them out
[presumably as a person would butcher a sheep by cutting lengthwise to remove all the organs thus presenting two 'flat' surfaces]

1003.
amwam etow bita eoniñ ñea etsimor me eke arura me oija ãitune eran
2P.DEP+MOD cut NEIII+MED AB+young E+MED 3S.DEP+live & make two+CL30[3] & give+to female+PROX INDF+CL30[3]
me ãita eran 1Ki 3:25
& female+MED INDF+CL30[3]
cut the living child and make two flat sides (i.e. cut in half) and give one flat side (i.e. one half) to this woman here and one flat side (i.e. one half) to that woman there
[King Solomon's famous wisdom to determine the true mother of conflicting claims]

And so too in a distributive sense:

see 819.
wo karuraij NG171
2S.DEP CAUS+CL30[3]+APPL
make two flat halves [Kayser]

27.3. Use of 'iwugaga, iyugaga' for 'half'.

The thought of "in half" can be expressed using *iwugaga/iyugaga,* in the middle.

Examples:

1004.
ñaga re idei iwugagan kalb bwe re nim õd inimagen ideien Jer 34:18
E+TEMP+MED 3P.DEP cut middle+CONS calf for 3P.DEP MOD pass among+3S.POS cut+3S.GER
when they cut the calf in the middle (i.e. in half so that they might pass between the cutting of it]

1005.
mõ õbakorot[21] iwũgaga'[72] reijet[39] temple Lu23:45
& 3S.DEP+break+PERF middle+CONS curtain+CONS temple
and the curtain of the temple was torn in the middle of it (i.e. torn in half)

1006.
obwao yugagain murana veil murana temple Lu23:45 1976
3S.DEP+break middle+CONS NE+CL30[3]+MED veil NE+CL30[3]+MED temple
the veil of the temple was broken in the middle (i.e. torn in half)

1007.
eidauweiy yugagaiura He11:37 1976
3S.DEP+saw+APPL middle+3P.POS
they were sawn in their middles (i.e. sawn in half)

28. Iterative Numerals.

Iterative numerals indicate the number of times something happens, and in Nauruan are formed with Classifier 35[23].

Examples:

1008.
awõritaen an mamanei marũmũ Gen 31:7
NP+CL35[23]+ten+PERF GPOS+3S.POS change wage+1S.POS
it is now already ten times his changing my wages
[it is already ten times that he has changed my wages]

1009.
awõrin aeiu an toweitsiber añe Gen 33:3
NP.CL35[23+CONS seven GPOS+3S.POS worship on.the.ground
his bowing to the ground was seven times

1010.
Aaron enimõ ririñ eadet[21] idũra ean oin mi ta aiwõrin ririñen iat[27] obweni ion
Aaron 3s+MOD do forgive+3S.GER AB+sin on+3S.POS horn+S.POS & only one+CL35[23] do+3S.GER in+3S.POS year INDF
Ex 30:10
Aaron should perform the releasing of sin on its horn and just once the doing of it in a year

1011.
e tsimor eowen ina, deõ ta aiwõrin me deõ bet aruwõri 2Ki 6:10
3S.DEP live DIR+PERF there only+NEG only one+CL35[23] & only+NEG also two+CL35[23]
he already saved himself there, not once and not twice

1012.
re eke aijuwõri an ijatow 2Ki 13:18
3P.DEP make three+CL35[23] GPOS+3S.POS strike
they numbered three times his strikings

29. Approximative Numerals.

Nauruan uses several ways of marking an approximate number.

1. The conjunctive particle '*oa/õa*', or, is added to the number.

Example:

1013.
ata oa NG:69
ten or
approximately ten, about ten

1014.
aṅarama m aṅo oa NG:69
approximately 26, about 26, maybe 26

2. By using the particle *kaiya/kaija/kai*, maybe.

Examples:

1015.
kaija aijimo aruma NG216
maybe 20 or 30 living beings

1016.
kaija aratimo araruma NG216
maybe 20 or 30 objects presenting a flat surface

1017.
kaija abätimo abäruma NG216
maybe 20 or 30 coconut leaves

3. The word *ãma, jema, emwa, eäma* means an undetermined surplus lying between one number and another.

In Kayser's Nauru Grammar (p.69) it is spelt 'eäma',

So, in Example 50, 'ama-jema' (1918 Bible), 'forty and some'; this is spelt 'amma emwa' in the 1976 New Testament.

In Example 55, 'aijimowar ãma', 'five hundred and some' ; this is spelt 'aiyimower emwa' in the 1976 New Testament.

When possessivized it means 'its surplus, its remainder, hence 'aṅo äman' means 'there is a surplus of six (to the number in question)' (NG69).

Examples:

1018.
ata eäma NG69
ten and some, between ten and twenty

1019.
araña eäma NG69
a thousand and some, between one and two thousand

1020.
r ekä aratebu eäma müñana itüber NG216
they are more than 100 mats [Kayser]

1021.
r ekä aibu eäma ñabün enuwaw NG216
the men who went were over 100 [Kayser]

30. Skip Counting.

Skip counting is a counting strategy found in a number of cultures, and Kayser In *Nauru Grammar* (page 74) speaks of the pre-colonial system of counting by twos, "especially when there is a large number of things to be handled (e.g. coconuts)", and by tens (for Milkfish fry caught on the seashore).

30.1. Skip Counting by twos.

Kayser states (NG74):

"The even numbers: 2 4 6 8 are repeated after each ten, the tens are repeated after each hundred etc",

using abbreviated forms of the numerals.
i.e.

2, ar
4, aq/akw
6, aṅ/ang
8, auj
10, ata
And then,
12 ata m ar, and so on
20, anaram
22, anaram m ar, and so on
30, anim
32, anim m aro, and so on
40, am
42, am m ar, and so on
50, aijim
52, aijim m ar, and so on
60, aṅom
62, aṅom m ar, and so on
70, aem
72, aem m ar, and so on
80, aujum
82, aujum m ar
90, adum

92, adum m ar, and so on

On the same page (p. 74), Kayser makes the following observation regarding pair counting of coconuts:

"For counting coconuts, the unit is two; each thousand is registered by a nick on a stick".

30.2. Skip counting by tens.

Kayser makes the following brief observation in *Nauru Grammar* (page 74) regarding a form of skip counting by tens (no abbreviated numerals are given, so one presumes the General Cardinal Numerals 1 to 10 were used, and then a marker made):

"For young ibia caught on the sea-shore, the unit of counting is not 1 but 10 and is registered by the placing of a pebble. Ten pebbles will register one hundred, to mark which a separate stone is placed; ten of these stones denote a thousand etc."

31. Jocose Numerals.

Kayser also lists what he calls "Jocose Counting", without giving any detail.

Whether this was used by children in counting, or by adults having fun, is not explained.

These numbers are reduplicated forms preceeded by the particle *ta* , only:

1, taiquaiquon
2, tararo
3, taijaiju
4, taeaeoq
5, taijaijimeo
6, taṅaṅo
7, taeaeu
8, taujauju
9, tadado
10, tatata

Notes.

1. Nauru Congregational Church 1887 – 1987, p 12

2.
(1) Pacific Islands Monthly, Vol. 11, No. 4, p 21;
(2) Karl H.M. Rensch. 1993. 'Father Alois Kayser and the Recent History of the Nauruan language', in Nauru Grammar by Alois Kayser MSC, edited by Karl H.M. Rensch (p I – XIII). Embassy of the Federal Republic of Germany, ACT, Australia.

3.
(1) Chiefs of Baitsi, Papers of Camilla Wedgwood, National Library of Australia;
(2) Nauru Detudamo 17.II.35, p 10. Papers of Camilla Wedgwood, National Library of Australia.

4.
'Micronesian' in this paper is used to describe the group of languages sharing the same common ancestor language that developed from the earlier ancestor language referred to as 'Proto-Oceanic' – itself a descendent of the original ancestor language referred to as 'Proto-Austronesian'.

The major member languages of the Micronesian group of languages are (alphabetically): Carolinian, Chuukese-Mortlockese, Kiribati, Kosraean, Marshallese, Mwokilese, Nauruan, Pingelapese, Pohnpeian, Puluwatese, Satawalese, Sonsorolese, Ulithian, and Woleaian.

Micronesian, used as a cultural/geographic area, includes (in addition to the above):

(a) the people of Belau, and the Chamorro people of Guam and the Mariana Islands (the languages of these two peoples are more closely related to the languages of the Philippines, and these two peoples appear to have been in-situ far longer than any of the other groups);

(b) the people of Yap (who predated the arrival of the peoples now speaking the Micronesian group of languages, but whose language descended from Proto-Oceanic);

(c) the people of the atolls of Kapingamarangi and Nukuoro, who are members of the Polynesian group of languages (also descended from Proto-Oceanic), who are more recent neighbours.

5.
See Jackson, Frederick H. 1986. 'On determining the external relationships of the Micronesian languages'. Geraghty, P., Carrington, L. and Wurm, S.A. editors. FOCAL II: Papers from the Fourth International Conference on Austronesian Linguistics. Pacific Linguistics Series C – No.94.The Australian National University.

6.
Another contributory factor to the change in Nauruan culture and language stability must be attributed to the cruelty perpetrated against the Nauruan people by the Imperial Japanese Forces during the 2nd World War.

At the outbreak of the war in 1940 the Nauruan people numbered 1800 (Report to the Council of the League of Nations on the Administration of Nauru during the year 1940, page 25). Following the invasion and occupation of Nauru by the Imperial Japanese Forces on 26th August 1942, a horrendous situation befell the Nauruans. Mistreatment and food shortages 49 were daily sufferings until liberation by the Australian armed forces on 13th September 1945 (Tanaka 2010). This was compounded by the forced removal of 1200 Nauruans to the Chuuk archipelago in 1943 where mistreatment and starvation resulted in a 38% fatality rate.

The gatekeepers of Nauruan custom were decimated: the 1933 Census enumerated 65 Nauruans aged 60 years and above (4 % of the population of 1540). By 1948, out of 1448 Nauruans only 15 Nauruans (1%) were aged 60 years and above (Commonwealth Bureau of Census and Statistics Bulletin No.7, 1934; Report to the General Assembly of the United Nations 1949).

7.
Unrealized Aspect Marker, '*inan, nan*'.

In Example 1, 'nan' is the Unrealized Aspect Marker. It also appears in free variation as 'inan'.

'inan' looks to be the base form as the words 'ma', 'and'; 'bwe', 'for'; and 're', the 3rd Person Plural Dependent Pronoun, all elide the vowel before 'nan', i.e.

me + inan > mi nan [m'inan]

bwe + inan> bwi nan [bw'inan]

re + inan > ri nan [r'inan]

The Unrealized Aspect Marker is denasalized if it is followed by a verb with initial non-syllabic vowel glide [e̯], in which case the [e̯] is deleted, i.e.

inan + eagad a uw gaim NG166 [Kayser: you will get your chastisement]

>

inat agad a uw gaim

8.
3rd Person Default in verbs.

When a verb (or a verb preceded by an aspect marker or a pre-verbal adverb or conjunction) is at the head of a verb phrase, and has no overt person maker, it is by default 3rd Person, and unless otherwise indicated by context or otherwise, the default is Male third person.

In Example 1 '*nan õten'*, '*nan*' has no overt person marker, so has the meaning of 'it will be how...?, how will it be...?'.

At times the translators overcompensate by putting a 'ghost' vowel to indicate it is a 3rd Person actor.

9.
Conditional Marker, '*tsin ia, ia*'.

In Example 1, '*ia*' is the factual conditional marker used for 'if, when' when not phrase initial; when it is at the head of the phrase, it has the form '*tsin ia, tin ia*' .

It appears that the diphthongs [ia, io, iu] normally represented an intial non-syllabic vowel glide [i̯a, i̯o, i̯u] ; these have drifted to [ja, jo, ju]; in contemporary Nauruan its sound varies from /j/ to the fricated sound [ʝ], which is gaining the upper hand: e.g.

'ia' > [ja/ʝa]

The vowel quality of the 'a' in '*ia*' is influenced by the following initial vowel.

10.
See section 13.8.

11.
Weakened forms of Dependent Personal Pronouns.

In Example 2, the dependent personal pronoun is written '*õ*' .

'*õ*' (3rd Person Singular) and '*rõ*' (3rd Person Plural), I understand to be weakened forms of *'e'* and *'re', 'o'* and *'ro'*.

12.
Nauruan Personal Pronouns.

Dependent forms are attached to verbs or pre-verbal particles to indicate the 'subject' of the verb phrase.

Independent and Emphatic pronouns are used for emphasis and contrast, and there is a certain overlap with the two forms.

Objective forms are used for direct and indirect object. The indirect objective form, 1st person singular, is irregular – 'me' .

Table 41. Nauruan Personal Pronouns.

Number	Person	Function				
		Dependent	Independent	Emphatic	Objective (suffix)	Possessive (suffix)
Singular	1st	a	aña anga	naña nanga	õ/eõ o	-ũ -u -õ -o
	2nd	wo	auwe awe	ñauwe ngawe	w uw	m
	3rd	e, o ã	ei eiy	ñei ngeiy	-	n
Dual	1st inclusive	ar [ær]]	adar attar	ñadar ngattar	gadar kattar	dar tar
	1st exclusive	mar	amar amar	ñamar ngamar	gamar kamar	mar
	2nd	amwar mwar	amũrõr amuror	ñamũrõr ngamuror	gamũrõr kamuror	mũrõr muror
	3rd	or [ʌr] ar [ʌr]	ũrõr uror	ñũrõr nguror	ũrõr uror	rõr ror
Trial	1st inclusive	eij eiy	adei atteiy	ñadei ngatteiy	gadei katteiy	dei teiy
	1st exclusie	mei meiy	amei ameiy	ñamei ngameiy	gamei kameiy	mei meiy
	2nd	amwei mweiy	amiei amieiy	ñamiei ngamieiy	gamiei kamieiy	miei mieiy
	3rd	arei areiy	ũrei ureiy	ñũrei ngureiy	ũrei ureiy	rei reiy
Plural	1st inclusive	añ ang	ada atta	ñada ngatta	gada katta	da ta
	1st exclusive	ama ma	ama	ñama ngama	gama kama	ma
	2nd	amwa mwa	amiã amie	ñamiã ngamie	gamiã kamie	miã mie
	3rd	re ro	ũra ura	ñũra ngura	ũra ura	ra

In the 1918 Bible both the 1st Person Dual Incusive Dependent Pronoun and the 3rd Person Dual Dependent Pronoun are spelt '*ar*', but there is a difference in vowel quality, i.e.

1st Person Dual Inclusive Dependent Pronoun - *ar* [ær]

3rd Person Dual Dependent Pronoun - *ar* [ʌr]

The 3rd Person Singular and Plural Dependent Pronouns take the form '*o*' and '*ro*' when the following word has 'o' or 'u' in the first syllable, or initial 'kw' or 'mw'.

13.
The adposition 'ea-' is used in a variety of ways.

(a) It usually translates as a stationary condition of 'on (a surface)' or, when refering to land and where appropriate, as a stationary condition of 'in (a land)'

Examples:

e r̲o̲qu̲o̲ aeö mäg ean bitune äb NG201 my stay in this island is long

ean bitune eäb Naoero eö i ta timine ini me epo bue eteto bät me io me iuw imin e rö n̈an e bak NG209 on this land Naoero there are not only coconuts and pandanus but almonds also and tamano and many more plants
[Kayser: on this island of Nauru there are not only coconut trees and pandanus but almonds also and tamano and many other plants]

maedu n̈amana e mägeda ean me timoren in tụk ibua emaen NG214 that branch he was sitting on broke off and he was then saved seizing another [Kayser: the branch on which he was sitting broke off and he saved himself by seizing another]

ean̈amä memag eat äb bait ekegen? NG215 for what purpose are people on earth?

an jägen mururaoa iwur eat jor? NG217 whose shells are those two hanging on the post?

nimen jägen murowuroa eat jor? NG217 whose drinks are those two shellsful on the post?

atogi ean aworin aeiu oa? Jesus ouge a : A eo ouge aw, wo togi ean aworin aeiu, bwe wo togi ean aworin aemwo am kaworin aeiu Matt 18:22 1976 I end on seven times? Jesus said to him: I have not said to you, end on seven times but end on seventy your seven times each

(b) it can be translated as 'at' or 'on' in conjunction with time.

Examples:

a nan otten man, n̈aga a nụm mäg inno ean o ata? NG165 how will I manage it since I must be there at ten? [Kayser: what must I do if I have to be there at ten o'clock?]

wo nan akorda ubuiö ean o an̈o i'emerö NG168 come to my house at six this evening

tük ean dae ia/ean tük dae ia NG192 at that same time

ean bum ana NG192 at that time/in those days

ean̈amä memag ri nan rida ean magit bum NG203 all mankind will rise on the last day

eat bum ibumin NG218 on one day

(c) It can also be translated as 'by, by means of.

Examples:

ean NG195 by

ean NG195,197 by means of

a oijuwotow ean muijan wan̈a kumo NG195 I recognize it by means of the mark of my pig [Kayser: I recognize my pig by the ear mark]

e̲a̲n̲a̲w̲a̲r eij bita emogur ean̈amä re timoreow ean NG200 fishing is the work people do well by it [Kayser: fishing is the work which makes people well off]

r ebak n̈abuna re dura n̈aga bät re tiet n̈ana ri nan maeow ean NG215 they are many those sinning even though they know that they will die by it [Kayser: very many people are doing wrong even though they know they will be punished for them]

ngona ita oad engame re timor eow ean, bwe ita oiyu annit engame 1Pe 3:20 1976 that craft a few people were saved by it, just eight human souls

a tük örädoan añen wan imin me a kataworidan ean NuwNT 57:5 I have already restored to him his things, and fourfold each by it

(d) It can also be translated 'for' -

mequõr ian wõn bett ean aoju eobweni Ac 9:33 had lain in his bed for eight years

oquõrien ean araña eobweni Re 20:2 he was then bound for one thousand years

(e) It can also be translated as 'out of, from' –

Examples:

ean NG75 out of

aiju ean aeoq NG75 three on four/three out of four, three quarters

ṅabögene ibia eij ṅabögena re torereow ean NG211 this fishpond is that one that they stole from it [Kayser: this fishpond is the one which they stole from]

ãita inen eteten agen ean eben Ãgypten Ge 21:21 his mother contracted his wife out of the land of Egypt

Jakob eridan eat imijimij Ge 28:16 Jabob woke from sleep

an engel Gott emeta ea eow ean pwijet ãe inimaget imin erõ Ex 3:2 the angel of God come out to him out of the flames amidst the bush

tsin iõ õrengo main ata ean, inan tik oñũen Is 6:13 if there remain a tenth part out of it, it will also be consumed

ñagan eat ibũm in rida, nan agen ijeget ãita ean amebũna aeiu? Matt 22:28 therefore on the day of resurrection, whose wife will that woman be out of those seven men?/which of those seven men will she be wife?

eirawoten aimaein ean mwiyimaoa maeit ekwan Rev 8:12 1976 one part out of those three parts of the sun/the third part of the sun was smitten

wo katamaedan ean aüra äwäw ñabüna ñaben aroööät añamä Nuw 43:5 take one each out of the staffs of the elders of the tribes of the people

Table 42. Forms of 'ea-':

	Singular	Dual		Trial		Plural	
1st Person	ea	EXC	eamar	EXC	eamei eameiy	EXC	eama
		INC	eadar eattar	INC	eadei eatteiy	INC	eada eatta
2nd Person	eam	eamũrõr eamuror		eamiei eamieiy		eamiã eamie	
3rd Person	ean	earõr earor		earei eareiy		eara	

14.
General Demonstrative Set, Singular Forms.

In the General Demonstrative Singular set, the Simple forms do not appear to be used independently as demonstrative pronouns, rather they only as act as post-nominal demonstrative adjectives and are not used as relatizivers (this is the case with all the Simple forms of demonstratives).

The General Demonstrative Singular set (apart from the Simple forms) are used as demonstrative pronouns, as demonstrative adjectives, and as relativizers, and the Medial forms can also have just the function of the equivalent of a definite article with a very weak demonstrative function (see *Nauru Grammar*, page 11).

When the General Demonstrative Singular set are used as relativizers, the spatial suffixes are usually absent, the exception being the Emphatic Medial form '*ñea, ngea*'.

Kayser makes this observation (NG63):

> "The forms of the Demonstratives beginning with '*ṅa-*' are used to denote Persons or things removed, absent, referred to, while the other forms beginning with: '*mụ-, mi-, min-, mini-*' are used to denote Persons or things present."

This observation is difficult to show from the written record, and is further complicated by Kayser's reference to the Emphatic forms (Kayser's '*ṅa-*' demonstratives) as "nominative", while the other forms with suffixes are referred to as "accusative", and the Simple forms (Kayser's 'After the noun' demonstratives) are referred to as "nominative and accusative", terms usually associated with inflected languages such as Latin and German (see *Nauru Grammar*, page 31). There is some indication from the written record that new topics in a discourse are introduced with the Emphatic forms.

In Example 2, '*eb ia'*, 'that land', where '*ia*' is the the simple (base) form of the general demonstrative, medial.

Where the simple (base) form of the demonstrative is used, it follows the noun and the noun does not have the absolute marker/nominal prefix attached to it.

In this study, when a demonstrative is used as a relativizer and the spatial suffix in absent, the interlinear gloss has + at the end of the gloss, i.e. E+ = Emphatic Singular form being used as a relativizer.

The General Demonstrative Singular set is used for both animate subjects and inanimate objects not assigned to a particular classifier.

Table 43. Overview of General Demonstrative Set, Singular Forms.

Proximity ↓	Form →	Simple Form	Emphatic Form (E)	Non-Emphatic Form (NEI) *min-*	Non-Emphatic Form (NEIII) *bit-*	Non-Emphatic Form (NEII) *mu-*
Proximal		une	ngune, ñune	mitune	bitune	Not used in Singular
		Augmented Simple Form	Augmented Emphatic Form	Syncopated Form	Syncopated Form	
		eune, iune	ngaeune, ñaiune	Unattested	tune	
Medial		(*una - Unattested) ia	ngea, ñea	mituna	(*bituna - Unattested)	Not used in Singular
		Augmented Simple Form	Augmented Emphatic Form	Syncopated Form	Syncopated Form	
		Unattested	Unattested	mita	bita	
Distal		uno	nguno, ñuno	mituno	bituno	Not used in Singular
		Augmented Simple Form	Augmented Emphatic Form	Syncopated Form	Syncopated Form	
		euno, iuno	ngaeuno, ñaiuno	Unattested	tuno	

15.
Vowel Elision and 'dummy' vowels.

There are inconsistencies in both the 1918 and 1976 orthographies. At times the orthographies represent the underlying elements in a phrase, and at other times the orthographies represent a more phonetic representation of the phrase.

'me', 'and'; '*bwe',* 'for'; '*ta',* 'only'; '*wo',* '2nd person singular dependent pronoun'; and '*re',* '3rd person plural dependent pronoun, they', regularly undergo vowel elision when the following element begins with a vowel, but there is no consistency in the orthographies.

'me', 'and'; '*bwe',* 'for'; '*ta',* 'only'; '*re*', 'they' are often written with a 'dummy' vowel as in Example 2, i.e. :

'*mo o kona*' represents '*m okona*'

16.
See section 25 for distributive numerals.

17.
Adposition ‘*ea,a*’ has as its usual meaning ‘to’.

The adposition ‘*ea, a*’, ‘to (someone/something)’, does not follow the usual pattern of adpositions that take the inalienable possessive suffixes. Rather, *‘ea, a’* attaches the Objective forms of the Personal Pronouns to itself. The only exceptions are the irregular 1st Person Singular form ‘*eame*, *ame*’ , and the default 3rd Person Singular form ‘*ea, a’*.

The forms in ‘*a*’ can appear as ‘*ea*’.

Table 44. Forms of ‘ea, a’ with person/object reference:

	Singular	Dual		Trial		Plural	
1st Person	ame a me	EXC	a gamar a kamar	EXC	a gamei a kameiy	EXC	a gama a kama
		INC	a gadar a kattar	INC	a gadei a katteiy	INC	a gada a katta
2nd Person	aw a uw	a gamũrõr a kamuror		a gamiei a kamieiy		a gamiã a kamie	
3rd Person	ea, a	a ũrõr a uror		a ũrei a ureiy		a ũra a ura	

If emphasis is required, the default 3rd Person Singular form ‘*ea, a*’ can be followed by the 3rd Person Singular Emphatic Pronoun, *ñei,ngeiy*.

18.
General Demonstrative Set, Plural Forms.

In the General Demonstrative Plural set, the Simple forms do not appear to be used independently as demonstrative pronouns, rather they only as act as post-nominal demonstrative adjectives and are not used as relatizivers (this is the case with all the Simple forms of demonstratives).

The General Demonstrative Plural set (apart from the Simple forms) are used as demonstrative pronouns, as demonstrative adjectives, and as relativizers, and the Medial forms can also have just the function of the equivalent of a definite article with a very weak demonstrative function (see *Nauru Grammar*, page 11).

When the General Demonstrative Plural set are used as relativizers, the spatial suffixes are usually absent.

Kayser makes this observation (NG63):

"The forms of the Demonstratives beginning with 'ṅa-' are used to denote Persons or things removed, absent, referred to, while the other forms beginning with: 'mụ-, mi-, min-, mini-' are used to denote Persons or things present."

This observation is difficult to show from the written record, and is further complicated by Kayser's reference to the Emphatic forms (Kayser's *'ṅa-'* demonstratives) as "nominative", while the other forms with suffixes are referred to as "accusative", and the Simple forms (Kayser's 'After the noun' demonstratives) are referred to as "nominative and accusative", terms usually associated with inflected languages such as Latin and German (see *Nauru Grammar*, page 31). There is some indication from the written record that new topics in a discourse are introduced with the Emphatic forms.

In this study, when a demonstrative is used as a relativizer and the spatial suffix in absent, the interlinear gloss has + at the end of the gloss, i.e. E+P+ = Emphatic Plural form being used as a relativizer.

Unlike the General Demonstrative Singular set, the General Demonstrative Plural set is only used for inanimate objects, whether assigned to a classifier or not.

Table 45. Overview of General Demonstrative Set, Plural Forms.

Proximity ↓	Form →	Simple Form	Emphatic Form (E)	Non-Emphatic *min-* Form (NEI)	Non-Emphatic *bit-* Form (NEIII)	Non-Emphatic *mu-* Form (NEII)
Proximal		ane	ngane, ñane	minane	Not used in Plural	mungane, mũñane
				Syncopated Form		Syncopated From
				mane		mụṅe
Medial		ana	ngana, ñana	minana	Not used in Plural	mungana, mũñana
				Syncopated Form		Syncopated From
				mana		mụṅa
Distal		ano	ngano, ñano	minano	Not used in Plural	mungano, mũñano
				Syncopated Form		Syncopated From
				mano		mụṅo

'*ñana, ngana*' is the Emphatic Plural, Medial, form of the General Demonstrative (see Table 45 above).

However, it is also used as a general relativizer and as a conjunction,

19.
'*i ta,ta*', 'only, just'.

'ita' is the adverb 'only, just'. It also appears in free variation as '*ta*'. '*ita*' looks to be the base form as the words '*ma*', 'and'; '*bwe*', 'for'; and '*re*', the 3rd Person Plural Dependent Pronoun, all elide the vowel before '*ta*', i.e.

me + ta > mi ta [m'ita]

bwe + ta> bwi ta [bw'ita]

re + ta > ri ta [r'ita]

20.
In Example 6, '*müaraoa*' is taken from the Classificatory Demonstrative Numeral set, for Classifier 30[3].

21.
Denasalization before a high vowel.

Denasalization occurs frequently in Nauruan.

It is usual:

before the Absolute Maker/Nominal Prefix

before the Perfective Aspect Suffix
see Example 33, '*paten*' = '*pan*' + '*-en*'

It is not universally present:

(a) before adpositions

(b) between compound adpositions

(c) before locative adverbs

(d) before the 3rd Person Singular Dependent Pronoun '*e*'

(d) Proper Nouns (Personal Names, geographic names) ending in '*-n*'

(e) before nouns modified by possessive suffixes or the contruct suffix

(f) before the Negative Particle '*eõ, eo*'

22.
3rd Plural Subject but 3rd Singular Complement

In Example 6, '*ngana t eij gold*', although '*ngana*' is the plural form of the medial demonstrative – referring to the four rings - it is followed by a third singular complement.

This pattern is widespread.

23.
Temporal Markers.

'*ñaga, ngaga*' is the Medial form of the Temporal Marker, TEMP+MED, 'at that time, then (past occurrence), when (past occurrence)'

The Temporal Markers define the time at which an event occurs.

Table 46. Temporal Markers.

Degree of Proximity	Form
Proximal: 'at this time', 'now'	*ngage/ñage*
Medial: 'at that time', 'when (past occurrance)', 'then (past occurrance)'	*ngaga/ñaga*
Distal: 'at that time (more distant past)', 'when (more remote past occurrance)', 'then (more remote past occurrance)'	*ngago/ñago*

The underlying base is '*ag'* with the Emphatic Prefix attached, and with appropriate spatial sufiixes.

In both the 1918 Bible and the 1976 New Testament, where the temporal marker appears without an apparent spatial suffix (i.e. *ngag/ñag*), this appears to be an orthographical convention to indicate that *'ngaga/ñaga'* TEMP+MED drops its final vowel before a following vowel, examples (and is represented in this study as TEMP+)

ñag ã eitsiõk Ge 1:1
ñag ar eitsiõk Ge 19:4
ñag e eitsiõk Ge 24:15
ñag A eitsiõk Ge 24:45
ñag e eitsiõk Ge 25:6
ñag eitsiõk Ge 29:8
ñag eitsiõk Ge 31:38
ñag e etistiõk Ge 37:18
ñag eitsiõk Ge 41:50
ñag A eitsiõk Ge 48:5
ñag eitsiõk Ex 1:19

24.
General Possessive Classifier.

'*an*' is the General Possessive Classifier, 3rd Person Singular form.

There are two possessive classifiers used in Nauruan alienable possessive phrases:

with the base '*a-'*.

> This general possessive classifier is used for objects in a relationship of outright possession or "ownership" (NG20); the Nauruan general possessive classifier '*a*-'seems to reflect Proto-Micronesian ***aa*, 'own or acquire ownership of an alienable object' (Bender et al. 2003).

with the base *'wõ-, wa-'* (1918 Bible)*,* '*wo-/wa-'* 1976)*.*

> This relative possessive classifier is used for "actual use of a thing, the permanent or transitory possession of a thing" (NG20)

The Relative Possessive Classifier is discussed in a later note.

Table 47. Basic Template for the Alienable Possessive Phrase.

Function 1 Slot	Function 2 slot	Function 3 Slot	Function 4 Slot (optional)
Possessive Classifier	Possessive Suffix referencing Possessor	Possessum	Possessor

Table 48. General Possessive Classifier.

Number	1st person	1st inclusive	1st exclusive	2nd person	3rd person
Singular	aeo/aeõ; au/aũ	----------	----------	am; aeam/aeõm	an; aen
Dual	----------	attar/adar	amar	amuror/amũrõr	auror/aũrõr
Trial	----------	atteiy/adei	ameiy/amei	amieiy/amiei	aureiy/aũrei
Plural	----------	atta/ada	ama	amie/amiã	aura/aũra

25.
Dependent Personal Pronoun + Modal Aspect Marker.

There are a number of contractions of non-singular dependent personal pronouns with the Modal Aspect Marker.

Table 49. Contractions of non-singular dependent Personal Pronouns combined with Modal Aspect Marker.

Person		Dual	Trial	Plural
1st	Inclusive	ar + nim > arũm	eij + nim > aijũm	añ + nim > añũm am
	Exclusive	amar + nim > amarũm	amei + nim > ameijũm	ama + nim > amaim
2nd		amwar + nim > amwarũm	amwei + nim > amweiũm	amwa + nim > amwaim amwam
3rd		ar / ör + nim > arũm ör üm	arei + nim > areiũm	No merged form

26.
'*engame*' can signify 'person, human' but unless otherwise indicated, it usually signifies 'man' in the singular and 'men' or 'people' in the plural.

27.
In Example 8, '*eat arõeni*' - when a word final '*-n*' is followed by a vowel sequence [high vowel+low vowel], and the high vowel is weak stress, or a short non-syllabic vowel [e̯] or [i̯], the high vowel is deleted following denasalization,

i.e. :

ean e̯arõeni > eat arõeni

In Example 31, this is seen with 'ãt on'.

i.e.:

ãn ion > ãt on

28.
Where a verb (or a pre-verb word) heads a verb phrase and has no overt person maker , it is by default 3rd Person, but the translators overcompensate by often putting a 'ghost' vowel to indicate it is a 3rd Person actor., so in Example 9,

e eõ kona... > eõ kona

29.
Where the 3rd Person Dependent Pronount is followed by a verb with initial high vowel, the 3rd Person Dependent Pronount is elided (NG5), so in Example 11,

e ãt... > ãt...

A similar process occurs where the Nominal Prefix/Absolute Marker is followed by a noun with initial high vowel, i.e.

e, Nominal Prefix + *eb*, land > *eb*

e, Nominal Prefix + *en*, female > *en*

30.
3rd Person Default and 'ghost vowel'.

Where a verb (or a pre-verb word) heads a verb phrase and has no overt person maker , it is by default 3rd Person, but the translators overcompensate by often putting a 'ghost' vowel to indicate it is a 3rd Person actor.

When 'ma', 'and' and 'bwe', 'for' precede a vowel-initial verb in such a situation, the translators often delete the vowels of 'ma' and 'bwe' (which is done is spoken Nauruan) but mirror the initial vowel of the verb or any 'ghost' vowel the translators decided on including, so you can end up with a 'dummy' vowel and a 'ghost' vowel, so in Example 11,

bwe e erereõda > bw' erereõda

31.
Relative Possessive Classifier.

In Example 15 '*waña*' is the Relative Possessive Classifier, 1st Person Singular form, '*waña jeiji*', 'my food(stuffs)'.

Nauruan, like other Oceanic languages, makes a distinction between the objects and concepts viewed as initimately connected to humans and those less intimately connected.

In Nauruan, things which are considered as an integral part of human existence/experience and cannot be separated from the person fall into the inalienable category. i.e.

Kinship terms
body parts body
substances
a person's spirit,
name,
shadow
particular cultural objects

Other nouns are viewed as less bound to humans, the relationship being termed alienable. This duality (inalienable/alienable) is manifested in the Nauruan possessive construction:

Inalienable:

nouns are marked with a direct possession construction with suffixes specifying the possessor being attached to the inalienable noun.

Alienable:

nouns are marked with an indirect possession construction that requires a possessive classifier - with the appropriate possessive suffix - that precedes the alienable noun.

There are two possessive classifiers used in Nauruan alienable possessive phrases:

with the base '*a-'*.

This general possessive classifier is used for objects in a relationship of outright possession or "ownership" (NG20); the Nauruan general possessive classifier '*a-*'seems to reflect Proto-Micronesian **aa*, 'own or acquire ownership of an alienable object' (Bender et al. 2003).

with the base *'wõ-, wa-'* (1918 Bible)*, 'wo-/wa-'* 1976).

This relative possessive classifier is used for "actual use of a thing, the permanent or transitory possession of a thing" (NG20)

Tabl 50. Relative Possessive Classifier.

Number	1st person	1st inclusive	1st exclusive	2nd person	3rd person
Singular	wanga/ wonga/ waña	----------	----------	wam	wan/won/wõn; wanna/wõnõ
Dual	----------	warar/wõrar	wamar/ wõmar	wamuror/ wamũrõr	wongaror/ wõñarõr
Trial	----------	wareiy/warei	wameiy/wam ei	wamieiy/ wamiãi	wangareiy/ wañarei
Plural	----------	wora/wara/ wõra	wama	wamie/wamiã	wangara/ wañara

The Relative Possessive Classifier forms are used also as Possessive Pronouns (NG25). The 3rd Person Singular form '*wõnõ, wanna*' is only used as a Possessive Pronoun.

32.
In Example 12, 'ngona' is taken from the Classificatory Demonstrative Set for Classifier 12[5], Emphatic Medial form.

Table 51. Classificatory Demonstrative set for Classifier 12[5]

CLASSIFIER		Simple (Base) Form	Emphatic ña-/nga- Form	Non-Emphatic I min- Form	Non-Emphatic II mũ-/mu Form
12(5) eo [e^{j}o] trough-shaped objects, canoes, cars, airplanes	Proximal	one	ngaeone/ngaione ngone	mineone	mueone meone/mione
	Medial	ona	ngaeona/ngaiona ngona	mineona	mueona meona/miona
	Distal	ono	ngaeono/ngaiono ngono	mineono	mueono meono/miono

33.
Animate Demonstrative Set, Plural Forms.

In Example 20, '*ñabũna'* is the Emphatic Medial form of the Animate Demonstrative Plural, 'those ones, the ones there'.

In the Animate Demonstative Plural set, the Simple forms do not appear to be used independently as demonstrative pronouns, rather they only as act as post-nominal demonstrative adjectives and are not used as relatizivers (this is the case with all the Simple forms of demonstratives).

The Animate Demonstrative Plural set (apart from the Simple forms) is used as demonstrative pronouns, as demonstrative adjectives, and as relativizers, and the Medial forms can also have just the function of the equivalent of a definite article with a very weak demonstrative function (see *Nauru Grammar*, page 11).

The Animate Demonstrative Plural set is based on the fusion of the demonstrative/spatial elements with the element '*bun'*, animate plural marker, having no reference to gender. In this study the *'bun'* element is glossed in the interlinear examples for demonstratives as ANIM.P = Animate Plural.

The root '*bun'* is also found in the word '*ibun'*, *'some/others (animate)'* (phonemiced as [ib^{j}un] in Hodges 2020:262).

When the Animate Demonstrative Plural set is used as relativizers, the spatial suffixes are usually absent.

In this study, when a demonstrative is used as a relativizer and the spatial suffix in not present, the interlinear gloss has + at the end of the gloss, i.e. E+ANIM.P+ = Emphatic form of the Animate Plural set being used as a relativizer.

Table 52. Animate Demonstrative Set, Plural Forms.

Proximity ↓	Form →	Simple Form	Emphatic Form (E)	Non-Emphatic *min-* Form (NEI)	Non-Emphatic *mu-* Form (NEII)
Proximal		bune bũne bine	ngabune ñabũne	minibune minibũne mibune	mubune mũbũne
Medial		buna bũna bina	ngabuna ñabũna	minibuna minibũna mibuna	mubuna mũbũna
Distal		buno bũno bino	ngabuno ñabũno	minibuno minibũno mibuno	mubuno mũbũno

34.
Male Demonstrative Set, Singular Forms.

In Example 25, '*amea'* is the Medial form of the Male Demonstrative Singular set, *'that male, the male there'.*

When the demonstrative function is not is focus, these demonstratives (particularly the Medial form) can be rendered in English as 'he'.

When placed before Proper Names, these demonstratives have little or no demonstrative function other than identifying the bearer of the name as being male.

This set of demonstratives is not used as relativizers.

Table 53. Male Demonstrative Set, Singular Forms.

Degree of Proximity	Simple form	Syncopated Form	English gloss
Proximal	ametune	amune	this male here
Medial	[*ametuna, not attested]	ameta	that male there
		Syncopated form	
		amea	
Distal	ametuno	amuno	that male yonder

35.
Variant spelling of 3rd Person Singular Dependent Pronoun.

'*ã*' is the orthographic convention for the 3rd person singular dependent pronoun (i.e. '*e*') in the 1918 Bible to show that the phrase of which it is part does not refer to an identifiable individual, but is indefinite, 'one, they', and in the English translation can often best be rendered by passivizing the phrase.

36.
Female Demonstrative Set, Singular Forms.

In Example 29 '*äita (ãita, eita)*' is the Medial form of the Female Demonstrative Singular set, 'that female, the female there'.

When the demonstrative function is not is focus, these demonstratives (particularly the Medial form) can be rendered in English as 'she'.

When placed before Proper Names, these demonstratives have little or no demonstrative function other than identifying the bearer of the name as being female.

This set of demonstratives is not used as relativizers.

Table 54. Female Demonstrative Set, Singular Forms.

egree of Proximity	Simple form	Syncopated Form	English gloss
Proximal	eitune, ãitune	tune	this female, the female here
Medial	eituna, ãituna	eita, ãita	That female, the female there
Distal	eituno, ãituno	tuno	that female yonder

37.
In Example 30, 'ia' (the conditional marker, Note 9) follows a negative clause and is best translated by 'who, that' , i.e.

eko ion ia omo, 'there is not one who is good, there is no one good'

38.
In Example 32, the 3rd Person Singular Dependent Pronoun represents an indefinite actor, 'they, one'.

39.
Regressive Assimilation *n* to *t/d*.
In Example 32 the final nasal of '*gan*' is assimilated to the initial dental on the following word, i.e.

gan + tuw- > gat tuw-

In this Example, '*tuw-*' , 'flesh, body', is a spelling variant found in the 1976 New Testament, the usual spelling being '*duw-*'. In the 1918 Bible this compound word is spelt as one. i.e. '*gatduw-*'.

40.
'ia eworin'

In Example 33, '*ia*' is the Conditional Marker.

However in Example 33 it is joined to the word '*eworin*', which is the Indefinite Determiner for Classifier 35[23] *wõri, wori*, number of times, so the expression '*ia eworin*' equates to 'even once, even one time' .

41.
Inverted Possessive Order.
In Example 35, 'an Gott auwã eb' is an example of the Inverted Possessive Order found in complex alienable possessives with a human possessor.

The usual order is 'an auwã eb Gott'.

See the paper "Nauruan Inverted Possessive Order in Possessive Phrases" by this author.

42.
Augmented General Demonstratives.

In Example 36, 'ñaiune' is the Augmented form (Emphatic) of the Medial General Demonstrative. Kayser (*Nauru Grammar* p.31) assigns the Augmented forms to his 'Living Beings' category, however, it is used before both animate and inanimate words in the 1918 Bible.

See Note 14.

43.
Perfective Aspect Suffx with '*ea,a*'.

In Example 42, '*añen*' is the combination of the adposition '*ea, a*', 'to him, to her, to it', with the Perfective Aspect Suffix '*-en*'.

The Perfective Aspect Suffix is usually attached to the verb base.

However, when the verb requires the adposition '*ea, a*'

AND the adposition has the 3rd Person Singular form '*ea, a*'

OR has a 3rd Person non-singular objective personal pronoun form,

the Perfective Aspect Suffix is shifted from the end of the verb to the end of the adposition, with the velar nasal 'ñ, ng' /ŋ/ being inserted between '*ea, a*' and the Perfective Aspect suffix, and this is obligatory, i.e. :

V + a (3rd person default) + -en > V + *angen*

V + a + uror + -en > V + *angen uror*

V + a + ureiy + -en > V + *angen ureiy*

V + a + ura + -en > V + *angen ura*

Velar Nasal Intrusion is linked to five grammatical aspects of Nauruan:
1. The Perfective Aspect suffix '-en'.
2. The plural independent pronouns.
3. The plural forms of the General Possessive Classifier and the Relative Possessive Classifier.
4. The Construct Particle 'in'.
5. The Gerundive suffixes

See the paper "Nauruan Consonant Epenthesis: Velar Nasal Intrusion" by this author.

44.
Transitive Verbs + Perfective Aspect Suffix.

When the Perfect Aspect Suffix is attached to Transitive Verbs, an intervening vowel/semi-vowel 'i' occurs between the verb stem and the aspect suffix.

Examples:

riring + -en > riringien

ogok + -en > ogokien

45.
Use of the particle '*bwe*'.

' *bwe*' has a wide range of meanings according to context.

1. to join a subordinate clause to a main clause, 'because, for the reason that, for'

In Example 10, '*ta mequõr ian wõn bett ean aoju eobweni bwe e erereõda*', 'lain in his bed for eight years because he was paralysed

In Example 174, '*õrai aññõgen Judas ñea ñain Simon Ischariot bwe ei ñea inimagen waea ma arumen ñea nan ijimeãn*', 'spoke about Judas the son of Simon Ischariot for he who is among the twelve is the one who will betray me'

In Example 179, '*bwe minaena dedegai etsimeduw õba bita ekarawin*', 'because that patch of new cloth tears that garment'

It can also appear with the form 'bwina (bwe ina)':

ebak eñame re man ñaga re nim mũñana ebõk, bwina ã õbaõadsin Re 8:11 many people had died when they drank those waters because the were made bitter

2. With reported speech and after mental verbs.

In Example 45, '*re tsiet bwe anarama gũñaen*', 'they understood that its fathoms [were] twenty'

In Example 107, '*eimwi bwe eñame arumen enim oija wõn imin*', 'it was right that two men should be given his belongings'

There is an overlap with the conjunction 'ngana' (see Note 54) ; I have been unable to discern if there are/were distinct parameters for their separate usage.

In Marshallese there are two conjunctions used ('ke' and 'bwe') which are used according to the following matrix:

Table 55. Parameters for usage of Marshallese conjunctions 'bwe' and 'ke' (adapted from Heather Willson's 'The Marshallese Complementizer Phrase', 2002).

'bwe' Reportive Complimentizer	'ke' Presuppositional Complimentizer
A speaker uses a reportive complementizer when indirectly quoting an utterance or a mental process of him/herself or of someone else. The truth of this indirect quotation is not certain.	A speaker uses a presuppositional complimentizer when the information in the embedded clause is considered "old" or something the speaker already knows to be true.

Examples showing the overlap between the 1918 Bible and the 1976 New Testament. As a general observation, the conjunction 'bwe' is far more common with mental and recording verbs in the 1918 Bible.

Table 56. Overlap in usage of 'bwe' and 'ngana' with Nauruan mental and recording verbs 1918 Bible versus 1976 New Testament.

1918 Bible	1976 New Testament
bwa amwaim tsiet bwe etsimine waion Ñait eñame eat eb in etad dūra Matt 9:6 but you should know that the Son of Man has authority on earth for the forgiving [of] sins	bwe mwaim tied ngana etimine oaeon amea Ngait angame eow eat eb bwe nim ead idura Matt 9:6 1976 but you should know that the Son of Man has authority on earth that he may forgive sin
amwa tsiet bwe wañara temoniba heiden ri ta moniba eara Matt 20:25 you know that the rulers of the Gentiles lord it over over them	mwa ogiten tied ngana amebuna monibait engame re earangameiy engame Matt 20:25 1976 you have known that the rulers of the peoples they are harsh with the people
ama tsiet bwa auwe iduwen Matt 22:16 we know that you are true [truthful]	ama ogiten tied ngana wo pwat iduwen Matt 22:16 1976 we have known that you speak the truth
amwa tsiet bwe etũreten naga ibũm in kũñijow Matt 24:32 you know that the day of heat is about to draw near	mwa tidien ngaga ngana etureten bita edae in kungiyow Matt 24:32 1976 you already know that the time of heat is now drawing near
bwa A tsiet bwa amwar õni Jesu Matt 28:5 for I know that you two look for Jesus	a ogiten tied ngana mwar oreit onani amea Jesus Matt 28:5 1976 I have known that you two are looking for Jesus

ñaga Pharisãer rõ kaiõt bwõ õ õepoijien mwin amebũna Sadducãer, re ebwepon Matt 22:34 when the Pharisees heard that he had shut the mouths of the Saducees, they then gathered together	amebuna pharisea ngaga ro kaiyot ngana dimwa-woten mura ngabuna Sadducea, me re epwepwon Matt 22:34 1976 those Pharisees, when they heard that he had completely shut the mouth of the Saducees, they gathered together
ñag õ kaiõt bwe ei Jesu dei Ṇazareth, a aeuwak Mark 10:47 when he heard that it was Jesus the Nazarene, he cried out	ngaga amea kaiyot ngana eiy amea Jesus in Nazareth me yeida me kuridaw ituga Mark 10:47 1976 when the man heard that it was Jesus of Nazareth, he started and cried out

There are fewer instances where the 1918 Bible and the 1976 New Testament agree on the relativizer:

Table 57. Agreement in usage of 'bwe' and 'ngana' with Nauruan mental and recording verbs 1918 Bible versus 1976 New Testament.

1918 Bible	1976 New Testament
wo tsiet ñana Pharisãer ra ariwan ñaga rõ kaiõt mũñana eñõg? Matt 15:12 you know that the Pharisees were offended when they heard those words?	wo tied ayok ngana egirowen ngabuna pharisea ngaga ro kaiyot mineiyina aem? Matt 15:12 1976 do you not know that the Pharisees have got angry when they heard that word of yours
A tsietuw bwa auwe Amea Togit Omo ñea wõn Gott Mark 1:24 I know of you that you are the Most Righteous One of God	A tied uw bwe awe yegen : amea Ebwigagain God Mark 1:24 1976 I know of you that you are who: the holy one of God
bwũ ũra memak re tsiet ñana dei Grecia etõñin Ac 16:3 for they all knew that his father was Greek	re tied ngana heidet etongin amea Ac 16:3 1976 they knew that his father was a Gentile
ñaga rõ kaiõt bwõ õ kakairũ a ũra ian kakairũ n Ebrãer Act 22:2 when they heard that he spoke to them in the Hebrew language	ngaga ro kaiyot bwe torereiy a ura bita edorer ngea hebrew Ac 22:2 when they heard that he spoke to them in the Hebrew language
eimwi bwa Abner enim ima tekei an ima ekabaãt? 2Sa3:33 should Abner die as a fool dieth?	A ũge ian bũriõ bwe eimwi bwa A nimõ ririñ imin ñan ebak in iwitsiow egen Jesu dei Nazareth Acts 26:9 I said in my heart (I was convinced) that it is right that I should do many things against the name of Jesus of Nazareth

3. In contrasive clauses: but

deõ ea gamar amiiã ñuruñure bwe ea Jehova Ex 16:8 your murmuring are not against us but against Jehovah

4. With naming.

In Example 291, 'ã ij egen ñamwarina etañ bwe epañ ñea Eskol', that ynamed that place as the vale of Eshkol.

In Example 662, 'egen bita etetang bwe Wormwood', the name of that star as Wormwood.

4. '*bwe nim*', 'so that, in order to, "to" infinitive clauses'.

In Example 36, '*ñaiune itsimor ñea eko tokin, bwe re nim tsietuw Gott ñea aiquet erak*', 'this is the life that never ends, so that they should know you, God , the only one'

In Example 108, '*oiyon in karakarumen ngabuna, bwe re nim od ian obwet...*', 'sent them in twos in order to go ahead of him'

In Example 204, '*arabwei aquõret ebe bwe e nim eke aquõren bet ãita*', 'two bracelets to act as bracelets for her hands'

5. Used in clauses of enumeration.

In Example 59, '*roin mũñan eretijũñ ñan õ kõñõn bwe araña ma aewar schekel in gold*', 'the weight of the earrings that he requested as (amounted to) one thousand seven hundred shekels of gold'

In Example 88, '*pũmwen pferde ion bwe aibu ma aijima*', 'the price of a horse as (amounted to) one hundred and fifty (shekels)'

In Example 168, '*ñabũna Nethimin mi ibwibwin an tsiõ Solomon bwe aijubu ma aduma ma arumen*', 'those Nethinim and the descendants of the servants of Solomon as (amounted to) three hundred and ninety-two men'

6. '*bwi ita, bwe ita*', 'just, except, save', as a conjunction used before a statement that forms an exception to one just made.

In Example 12, '*ngona ita oad engame re timor eow ean, bwe itaoiyu annit engame*', 'that craft a few people were saved by it, just eight human souls'

In Example 30, '*eko ion ia omo bwe ita aikwet erak ngea God*', 'there is no one that is good except one alone, God'

7. '*bwe dõgin, bwe dogin, dõgin bwe, dogin bwe*', purpose or a reason for something: on account of, because of, for.

In Example 127, '*omo a kamie eken ia ema engame aikwen bwe dogit engame ngabuna ebwak*', 'it is better for you if one man dies for many men'

8. '*bwe añõg, bwe angog-*', about X.

9. 'eaden bwe', until.

46.

Use of 'gũña, kunga'.

In Examples 45 and 46 '*gũña*', 'a length of yarn ' has been expanded to mean 'fathom'. Traditionally the fathom was the distance between outstretched arms, and the depth of water was measured using a sounding line with markers at each fathom length.

47.

Velar Nasal Intrusion.

Velar Nasal Intrusion is linked to five grammatical aspects of Nauruan:

1. The Perfective Aspect suffix '-en'.
2. The plural independent pronouns.
3. The plural forms of the General Possessive Classifier and the Relative Possessive Classifier.
4. The Construct Particle 'in'.
5. The Gerundive suffixes.

In Example 48, 'õijõn ũrañ in karakarumen' , 'sent them in twos', the pronoun 'ũra' is compounded with the reduplicated form of the distrubutive verb 'karumen' by the Construct Particle 'in' , requiring a velar nasal between them.

See the paper "Nauruan Consonant Epenthesis: Velar Nasal Intrusion" by this author.

48.
Approximant.

'ãma, jema, emwa' means an undetermined surplus lying between one number and another.

In Kayser's *Nauru Grammar* (p.69) it is spelt 'eäma',

So, in Example 50, 'ạma-jema' (1918 Bible), 'forty and some'; this is spelt 'amma emwa' in the 1976 New Testament.

In Example 55, 'aijimowar ãma', 'five hundred and some' ; this is spelt 'aiyimower emwa' in the 1976 New Testament.

When possessivized it means 'its surplus, its remainder, hence 'aṅo äman' means 'there is a surplus of six (to the number in question)' (NG69).

49.
Indefinite Determiner for Classifier 5[11].

In Example 63, '*ibũmin*' is the Indefinite Determiner for Classifier 5[11] *bũmi, bumi* for nights/24 hour day and means 'a day'.

The combination '*ibũm ibũmin*' is a reinforced form, meaning 'a single day, one day'.

50.
Demonstrative Set for Classifier 11[7].

In Example 67, '*ngeiyina*' is the Emphatic Medial form of the Demonstrative for Classifier 11[7] *eiji, eiyi* for utterances, messages and means 'that word, that saying, that statement'.

Table 58. Demonstrative Set for Classifier 11[7].

Classifier Number	Classifier	Degree of Proximity	Simple form	Emphatic form	Non-Emphatic form I min-	Non-Emphatic form II mu-
11(7)	eiji/eiyi [e3i] word, message	Proximal	eijine, eiyine	ñeijine ngaeiyine/ngeiyine	mineijine mineiyine	mũeijine mueiyine
		Medial	eijina, eiyina	ñeijina ngaeiyina/ngeiyina	mineijina mineiyina	mũeijina mueiyina
		Distal	eijino, eiyino	ñeijino ngaeiyino/ngeiyino	mineijino mineiyino	mũeijino mueiyino

51.
Indefinite Determiner for Classifier 11[7].

In Example 67, '*eiyin*' is the Indefinite Determiner for Classifier 11[7] *eiji, eiyi* and means 'a word, a saying, a statement'.

Here it appears to reinforce '*ngeiyina*'. '**that** saying'.

52.
Direct Address (Vocative) Demonstratives.

In Example 67, 'amebuna kamie' is the direct address (vocative) form of the demonstrative, 'you men there!'.

There are fused forms of the Direct Address (Vocative) Demonstratives for the singular.

Table 59. Fused Forms of Direct Address (Vocative) Demonstratives (Singular).

Addressee	Composition		
	Demonstrative	Independent Personal Pronoun	
Male addressed	amune	awe, auwe	amunuwe
Female addressed	etune, eitune, ãitune	awe, auwe	etunuwe, eitunuwe, ãitunuwe
Not gender specific	une	awe, auwe	unuwe

If a personal name is involved, 'amunuwe' and 'etunuwe' stand at the head of the phrase, 'unuwe' stands after the person name.

There are other combinations for two, three, or four addressees.

When the party addressed is more than four persons, the appropriate animate demonstrative plural is used in conjunction with the 2nd Person Plural Objective Pronoun '*kamie/gamiã*'.

53.
toki, togi

In Example 67, '*a togit auwe*' means 'I love most'.

'*toki, togi*' has a range of meanings according to context in Nauruan.

1. 'end, cease, conlude'

me etoki i Zoar Ge 13: and it ends at Zoar
bwa ñam etoki bũriõũra Co 3:21 lest their hearts come to an end/so that they are not discouraged

It is frequently compounded with other verbs by use of the Construct Particle '*in*', and when

modified by the Perfective Aspect Suffix the compound verb can appear either as

V + PERF + CONS, as in

etokien bũriõũn in teñ nuaw 1Sa 23:13 his heart had already ceased to want to go off, he gave up going out

or, as

V + CONS + PERF, as in

re eo dogiten [toki + in, Construct Particle + -en, Perfective Aspect Suffix] ngiongio ian aura kamarar Heb 3:10 they have not ended going astray in their thinking
e tokitet [toki + in, Construct Particle + -en, Perfective Aspect Suffix] dũra 1 Pet 4:1 he has already ceased sinning

2. '*toki, togi*' can be nominalized and attracts the inalienable possessive suffixes, as in

etowedũdũ ñan eko tokin Ge 49:26 the hills that have no end to it, the endless hills
ekeket tokiũ ñag A nim ijen bũriõ? Job 6:11 what is the conclusion for me since I should be patient?
akae it ebõk ñea eko tokin Pr 19:13 the dripping of water which has no end to it, a constant dripping of water
aña adamonin ma aña bet tokin Is 48:12 I am the beginning of it and I am also the end of it
tokiũ awõrin aeiu? Matt 18:21 is the conclusion for me seven times?
A eõ kõũge aw tokim awõrin aeiu Matt 18:22 I do not say to you that the conclusion for you is seven times

Or it can be compounded with another noun by use of the Construct Particle '*in*', as in

a ren okor togin [toki + in] bitune Mark 1:38 I have come really (for) the conclusion of this matter
bita edae ngea togit [toki + in] edae 1Co10:11 the time that is the end of time, the end of the ages
angan oawit imin me togit [toki + in] imin Re1:8 I am now the beginning of things and the ending of things

3. The negative form of the verb is frequestly compounded with other verbs using the Construct Suffix '*in*' to mean 'always, continually,endlessly, incessantly, unending, eternal, everlasting' , as in

a eö togi'n koṅoṅ NG9 I ask without ceasing
r' eö togi n baru NG205 they always take away
eatow ko am eö togi n pan a eaṅamä aṅöget aṅamä NG206 give up your continually speaking to people about people
ṅaga bät eö togi n t'äd me t'äd NG210 in spite of the unceasing rain
eö togi n o̲babareow 211 always broadcast
ama eõ toki n õtũba Gott bwe dõgimiã memak 1Th 1:2 we always thank God
ama eõ toki n õmamaran 1Th 1:3 we remembering without ceasing

4. When '*toki, togi*' is compounded using the Construct Particle '*in*', it can equate to the English superlative 'most, very, etc.', as in

ñea omo me togit omo Job 12:4 the one who is righteous and most righteous
ibaka ñune togit ouwak Je 26:19 this very great evil
Amea Togit Ogoda Lu 1:35 The Most High
mungana togit omo 1Th5:21 the excellent things, the best things
or togit egirow Matt 8:28 the two of them were most fierce
aijimo engä ñana togit ramie Nuw 54:6 five very smooth pebbles
togit omo memag imin eow ian män Nuw 1:6 all things were perfect in his sight

In this sense, it always occurs as ‘tokit, togit’.

54.
Use of Emphatic Medial Plural form of General Demonstrative ‘*ngana*’ before mental verbs and recording verbs.

In Example 67, ‘*ngana*’ is the Emphatic Medial Plural form of the General Demonstrative set (see Note 18), but is here acting as a conjunction following a mental verb.

‘*mwa eo meiyion ko...ngana...*’, ‘do not forget...that...’

There is an overlap with the conjunction ‘bwe’ (see Note 45.2) ; I have been unable to discern if there are/were distinct parameters for their separate usage.

55.
Cardinal Numeral set for Classifier 5[11].

In Example 67, ‘aibumwin’ is taken from the Cardinal Numeral set for Classifier 5[11] *bũmi, bumi* for nights/24 hour day and means ‘one day’ – see Section 14.

As with Example 63, the combination ‘*aibumwit ibum/ibum oaibumwin*’ is a reinforced form, meaning ‘a single day, one day’.

‘*oaibumwin*’ is an optional form – see Section 9.5.2.

56.
Numeral X or Numeral Y.

In Nauruan – unlike English - when giving the possibility of two numbers, the highest number is given first and there is no intervening conjunction used.

Hence, in Example 95, ‘*aijimen arumen*’, ‘two or three living beings/men – literally ‘three living beings/men - two living beings/men’.

57.
Animate Cardinal Numerals.

In Example 95, ‘*aijimen arumen*’ are examples taken from the Animate Cardinal Numeral set.

Table 60. Animate Cardinal Numeral set. (Includes defectives and suppletives).

Two	Three	Four	Ten	Twenty	Thirty
arumen	aijimen aiyimen	amen	waea oäa	aruma	aijumo aijimo ayumo

See Section 13.

58.
Indefinite Determiner for Classifier 23[22].

In Example 110, ‘*emwarin*’ is the Indefinite Determiner for Classifier 23[22] *mwari,* ‘a larger piece, a large part of an object’.

59.

Mutual Familial Relationships.

Nauruan consructs verbs expressing a mutual family relationship from the 3rd Person Singular Possessive form of kinship/family relation noun with the secondary Applicative Suffix '-i'.

Expanded forms (by use of the Causative and Factitive prefixes, and the Applicative suffix), can also have figurative meanings (see NG176, 177).

In Example 125, from the form '*eidin*', his/her sibling:

eidin + -i > + eidini, be in relationship as brothers/sisters

'*re eidini*', they are/were in a relationship as brothers

60.
Male Demonstrative Numeral.

In Example 133, '*ameitsimeno*' is the syncopated Distal form of the Male Demonstrative Numeral for three, 'those three men yonder, those three males yonder', those late three men,.

Table 61. Male Demonstrative Numeral.

Number	Proximity	End Form	Syncopated Form
Two males	Proximal	amerumene	None
	Medial	amerumena	None
	Distal	amerumeno	None
Three males	Proximal	ametiyimene ameitsijimene ametijimene	ametimene ameitsimene
	Medial	ametiyimena ameitsijimena ametijimena	ametimena ameitsimena
	Distal	ametiyimeno ameitsijimeno ametijimeno	ametimeno ameitsimeno

61.
Indefinite Determiner for Classifier 20[21].

In Example 127, '*eken*' is the Indefinite Determiner for Classifier 20[21] *ke*, very small part of a thing; also used to signify 'a little'.

62.
V + *eken*.

Where '*eken*' (Note 61) modifies a verb-like adjective, it increases the intesity of the quality, much like the comparative degree of adjectives as found in English.

So, In Example 127, *'omo', '*good' is intensified by '*eken*', i.e.

'omo a kamie eken', can be translated as 'is better for you'.

63.
Demonstrative Set for Classifier 5[11].

In Example 157, '*ngabumina*' is the Emphatic Medial form of the Demonstrative for Classifier 5[11] *bũmi, bumi*, nights/24 hour day and means 'that day'.

Table 62. Demonstrative Set for Classifier 5[11].

Classifier Number	Classifier	Degree of Proximity	Simple form	Emphatic form	Non-Emphatic form I min-	Non-Emphatic form II mu-
5(11)	bũmi, bumi night/24 hour day	Proximal	bũmine bumine	ñabũmine ngabumine	minibũmine minibumine	mũbũmine mubumine
		Medial	bũmina bumina	ñabũmina ngabumina	minibũmina minibumina	mũbũmina mubumina
		Distal	bũmino bumino	ñabũmino ngabumino	minibũmino minibumino	mũbũmino mubumino

64.
Unexpected Denasalization.

There are a number of instances in the written sources where denasalization occurs before loan words starting with a consonant.

In Example 216 we find '*ewet kamele*', skin of a camel

In Example 253, '*call dogit ambulance*', call for the ambulance

65.
Indefinite Determiners.

In Section 14.1.1. – 14.1.36. examples are given of the Indefinite Determiner for the classifiers.

Apart from the General Indefinite Determiner used for animate nouns and nouns not assigned to a classifier - i.e. '*ion* '[i̯on, jon, j̯on] - the Indefinite Determiners for the various classifiers follow a regular pattern, i.e.

Prefix *e-* + Classifier + Suffix *-n*

It may be that *e-* has the same origin as the Nominal Prefix/Absolute Marker and that *-n* has its origin with the Construct Particle.

There are a number of forms that have undergone phonological changes, namely,

1. if the classifier begins with an '*e*', the prefix is assimilated:

ean 9[20]
eben 10[15]
eijin, eiyin 11[7]
eon 12[5]

2. if the classifier begins with an '*i*', the prefix is heightened to '*i*' and is then assimilated:

imen 15[13]
in 16[38]
inen 17[35]
iren 18[14]
iwin 19[36]

3. the prefix is heightened to '*i*' before an initial syllable containing 'ũ' [ɨ] or 'u':

ibũmin, ibumin 5[11]
idumen 8[34]

66.
Classificatory Demonstratives.

In Section 14.1.1. – 14.1.36. examples are given of the demonstratives for the classifiers. For an analysis of the demonstrative system, see the paper "Nauruan Demonstratives" by this author.

67.
Position of Comitative/Instrumental Suffix '-õn, -on'.

In Example 280, where a verb is modified by the Comitative/Instrumental Suffix '*-õn, -on',* the gerundive suffix follows the Comitative/Instrumental Suffix,

obuonen (obüönän) =

obu, carry + Com/Instr *-on* + 3rd Person Singular Gerundive *-en*

its being carried with/by it, and in the combination '*obüönät enä arumae*', 'two carrying poles'

In Example 355,
iraeoneo (iraeõneõ) =

irae = strike + Com/Instr *-on* + 1st Person Singular Gerundive *-eo*

my being struck with/by it

68.
Uses of '*emaen*'

In Example 282, '*emaen*' is the Indefinite Determinder for Classifier 21[4] *mae*, long rigid objects.

'*emaen*' is also used with the meaning of 'half':

oij a ätune emaen me äta emaen, give to this woman half and that woman half

69.
Position of noun complement to Comitative/Instrumental Suffix *-õn/-on*.

If a noun complement appears with the Com/Instr Suffix, it comes at the end of the clause, so in Example 287:

tsimaeõn mũmwarina etañ duwen, closed up that place with his flesh

70.
Successful Outcome Suffix *wõñ/wong* + Perfective Aspect Suffix.

When the Successful Outcome Suffix -*wong* modifies a verb and the Perfective Aspect Suffix is then added to the modified verb, denasalization occurs, i.e.:

V + -*wong* + -*en* > V + -*woten*

So, in Example 523, '*or eed woten*', the two have already successfully seen.

This denasalization also occurs when '*wong*' acts as an indipendent verb, i.e.:

a woṅ NG179 I am successful
a woten NG179 I was successful

71.
Denasalization before 'iow, eow'.

When the Successful Outcome Suffix -*wong* modifies a verb, and the directional '*eow/iow*' is then added to the modified verb, denasalization occurs, i.e.

V + -*wong* + *iow* > V + -*wotow*

In this case, the initial semi-vowel is deleted in the process (see Note 27).

So, in Example 525, '*etiok eedwotow...*', not yet successfully seen...

The same process occurs when a verb ending in '*n*' is modified by '*eow/iow*', i.e.:

V_n + *iow* > V_*tow*

So, in Example 561, '*oiyotow...*', sent out..

72.
Regressive Rhotic (or 'r') Assimilation.

An apparently optional sound change is regressive 'r' assimilation where a word final -n is assimilated to a following word initial n_

In Example835, inan raṅada > ina' raṅada

In Example 862, nuwawin renemiü > nuwawi' renemiü

73.
Points of the Compass.

The translators are innovating with the Nauruan language as the pre-colonial Nauruans did not have the concept of a compass with its headings of N, S, E and W.

The traditional Nauruan travel was mainly along the cloast (NG222,223], and the direction was based on the traditional strike points of the trade winds. You either travelled towards '*apwewa*', or you travelled towards '*apwijuw*'.

apwijuw:
apwijuw, 'at ijuw'. It appears to be a fossilized fused form based *an*, Adverbial Prefix + *pe*, stone + *ijuw*.
pwijuw is recorded as *puijuw* by Kayser.
pwijuw is the place in Yangor where in pre-colonial days a huge upright stone marker was set as it was traditionally where the Easterly Trade Winds first struck.
Traditionally, if you travelled along the coast at any point from the stone marker at Yangor (Aiwo District) '*apwewa'* via Meneng up to the stone marker at *ijuw*, you traveleld towards '*apwijuw*'.
According to the compass, the journey starting at the stone marker in Yangor towards the *ijuw* stone marker via Meneng starts in a southerly direction, hence its adoption for 'South'

rodu puijuw in aeae NG194 went east to see, went down (to) pwijuw to gaze out

apwewa:
'at pwewa'. It appears to be a fossilized fused form based *an*, Adverbial Prefix + *pe*, stone + *ewa*.
pwewa is recorded as *pawa* by Kayser.
pwewa is the place in Yangor where in pre-colonial days a huge upright stone marker was set as it was traditionally where the Westerly Trade Winds first struck.
Traditionally, if you travelled along the coast at any point from the stone marker at *ijuw* via Baitsi up to the stone marker in Yangor, you travelled towars '*apwewa*', in a westerly direction.

eṅin in pawa NG194 wind from the west, wind of *pawa*
äok inno pawa NG208 sets there in the west, is sets there (at) *pawa*
a öreita kanakani a amätimena eoniñ areij oñow pawa NG211 I am looking at the three boys there who are going west/going to *pawa*

According to the compass, the journey starting at the stone marker in *ijuw* towards the *pwewa* stone marker via Baitsi starts in a northerly direction, hence its adoption for 'North'

The adaptation of traditional terms to indicate 'East' and 'West' seem a bit arbitrary.

apoe:
inland
Based *a*, Adverbial Prefix and *poe*, the inland part of Nauru (possibly an fossilized fused form of *pe*, stone + *oe*, the interior of the island.

Regardless of where you were on the coast, you travelled towards '*apoe*'.

apoe is used to indicate 'East', but it can only be viewed as being in an easterly direction according to the compass if you are travelling from the stone marker Yangor, or thereabouts, inland from there.

poẹ K1.316 the inland part (of Nauru)
pʸoe, poe Hughes 39 inland
pʸoe Hughes 343 travel inland, away from the shoreline

apago: on the seaward side of the island, at the beach (possibly a fossilized fused form based an, Adverbial Prefix + *mago*, open sea, i.e. *an + mago* > *anmago* > *ampago* > *apago*).
apago is used to indicate 'West', but it can only be viewed as being in a westerly direction according to the compass if you are travelling from the stone marker at Yangor, or thereabout', towards the beach from there.

As *apoe* traditionally means travelling towards the interior from any point on the coastal plain, were you to travel from the stone marker at *ijuw ,*or thereabouts, inland (towards '*apoe*'), you would be travelling in a westerly direction according to the compass.

And so with *apago*: as *apago* traditionally means travelling towards the beach from any point in the interior or the coastal plain, were you to travel from the stone marker at *ijuw*, or thereabouts, towards the beach, you would be travelling in an easterly direction according to the compass.

In traditional Nauruan specific verbs are used for travel: from any point of the island, if you travel inland, you '*roga*' (go up) inland, and if you go seaward, you '*rodu*' (descend) to the beach.

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